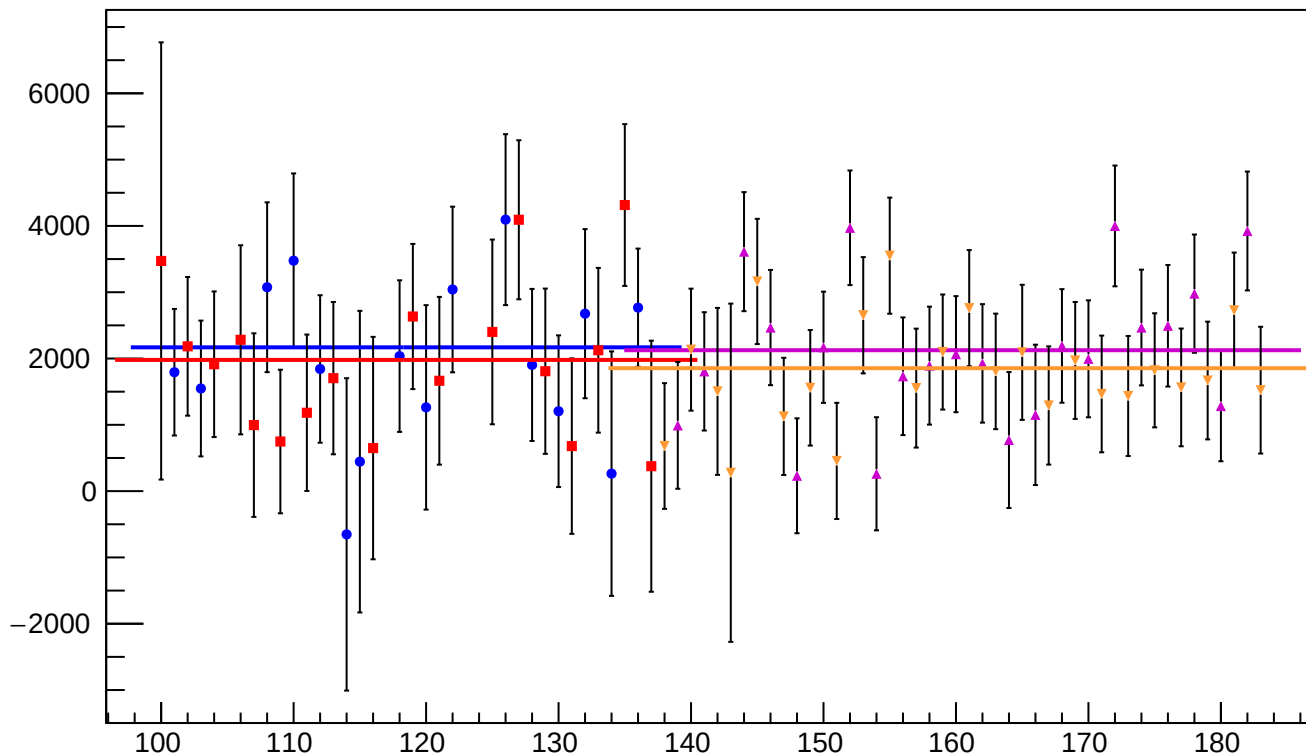


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2168.910+/-308.001

Left Out: 1854.359+/-188.273

Right Out: 1979.368+/-301.309

Left In: 2125.247+/-190.303

χ^2/NDF : 9.6/15

χ^2/NDF : 15.3/23

χ^2/NDF : 12.2/17

χ^2/NDF : 32.0/21

Left: 1988.350+/-133.841

Right: 2072.057+/-215.384

In: 2137.310+/-161.894

Out: 1889.461+/-159.666

All: 2011.669+/-113.680

χ^2/NDF : 48.4/45

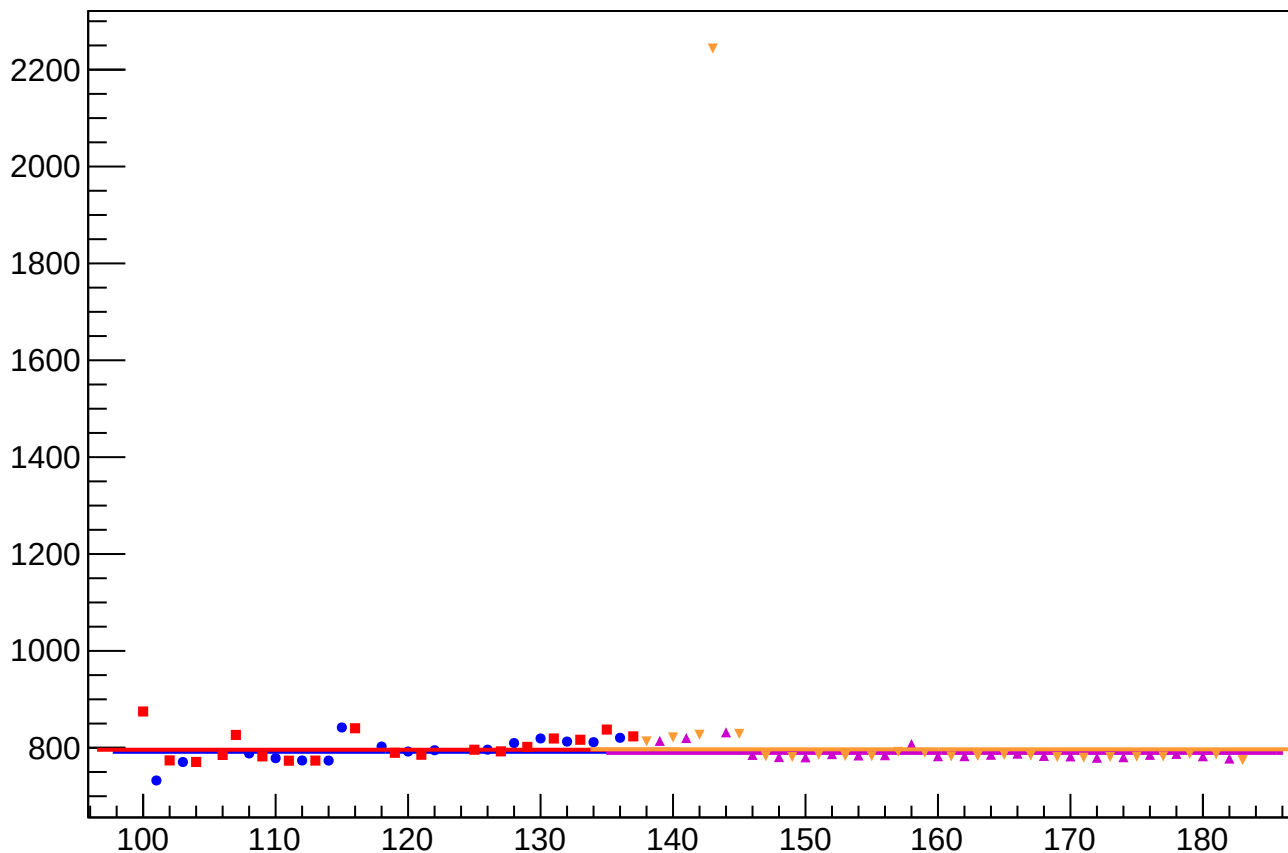
χ^2/NDF : 22.0/33

χ^2/NDF : 41.6/37

χ^2/NDF : 27.7/41

χ^2/NDF : 70.5/79

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 791.722 $\pm$ 0.218 χ^2 /NDF: 15122.0/15

Left Out: 796.790 $\pm$ 0.133 χ^2 /NDF: 658235.6/23

Right Out: 795.921 $\pm$ 0.213 χ^2 /NDF: 11575.2/17

Left In: 789.423 $\pm$ 0.135 χ^2 /NDF: 11157.7/21

Left: 793.146 $\pm$ 0.095 χ^2 /NDF: 670907.7/45

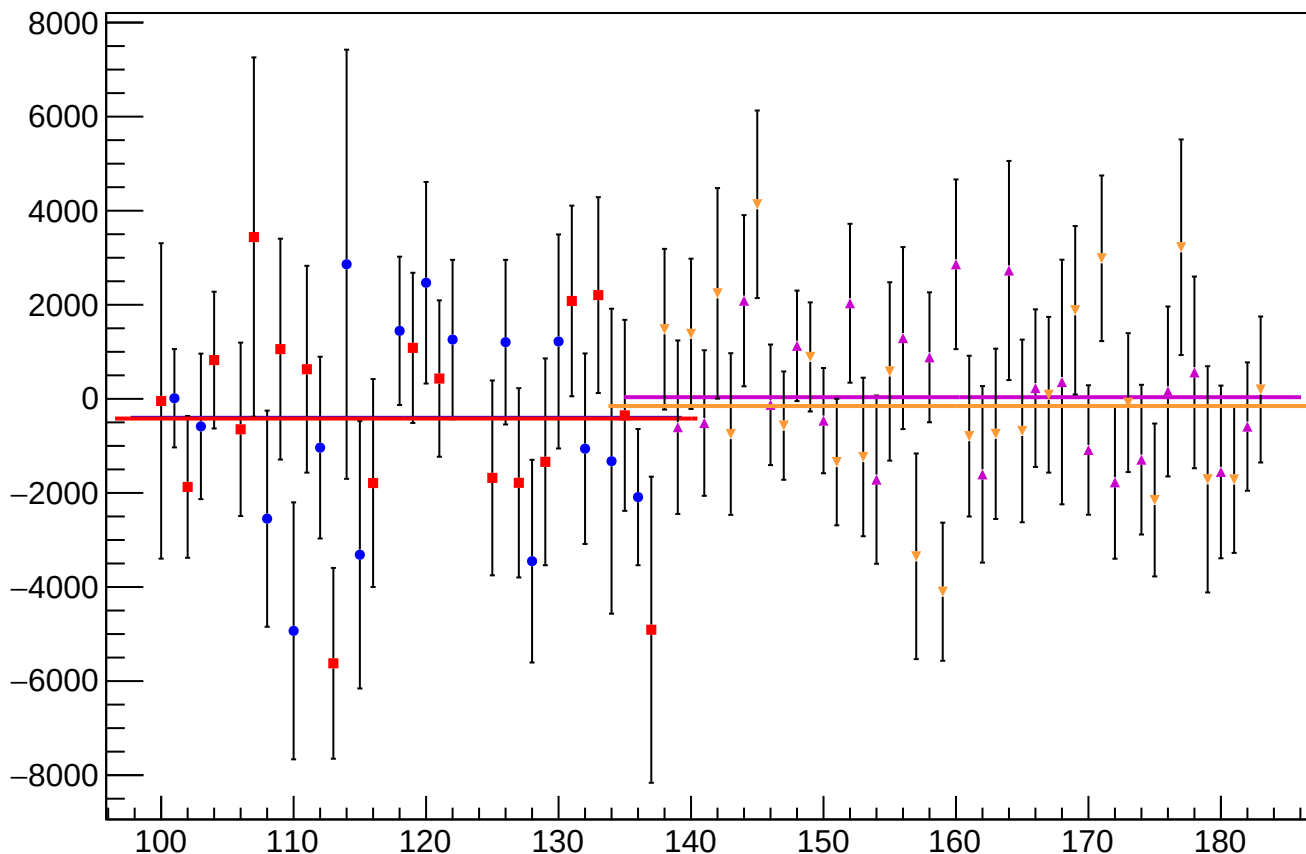
Right: 793.868 $\pm$ 0.152 χ^2 /NDF: 26887.1/33

In: 790.058 $\pm$ 0.114 χ^2 /NDF: 26360.3/37

Out: 796.546 $\pm$ 0.113 χ^2 /NDF: 669822.7/41

All: 793.347 $\pm$ 0.080 χ^2 /NDF: 697811.0/79

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: -403.277 ± 465.456 $\chi^2/\text{NDF}: 14.5/15$

Left Out: -152.852 ± 336.781 $\chi^2/\text{NDF}: 29.4/23$

Right Out: -418.532 ± 473.834 $\chi^2/\text{NDF}: 17.5/17$

Left In: 35.448 ± 341.719 $\chi^2/\text{NDF}: 14.0/21$

Left: -60.072 ± 239.867 $\chi^2/\text{NDF}: 43.5/45$

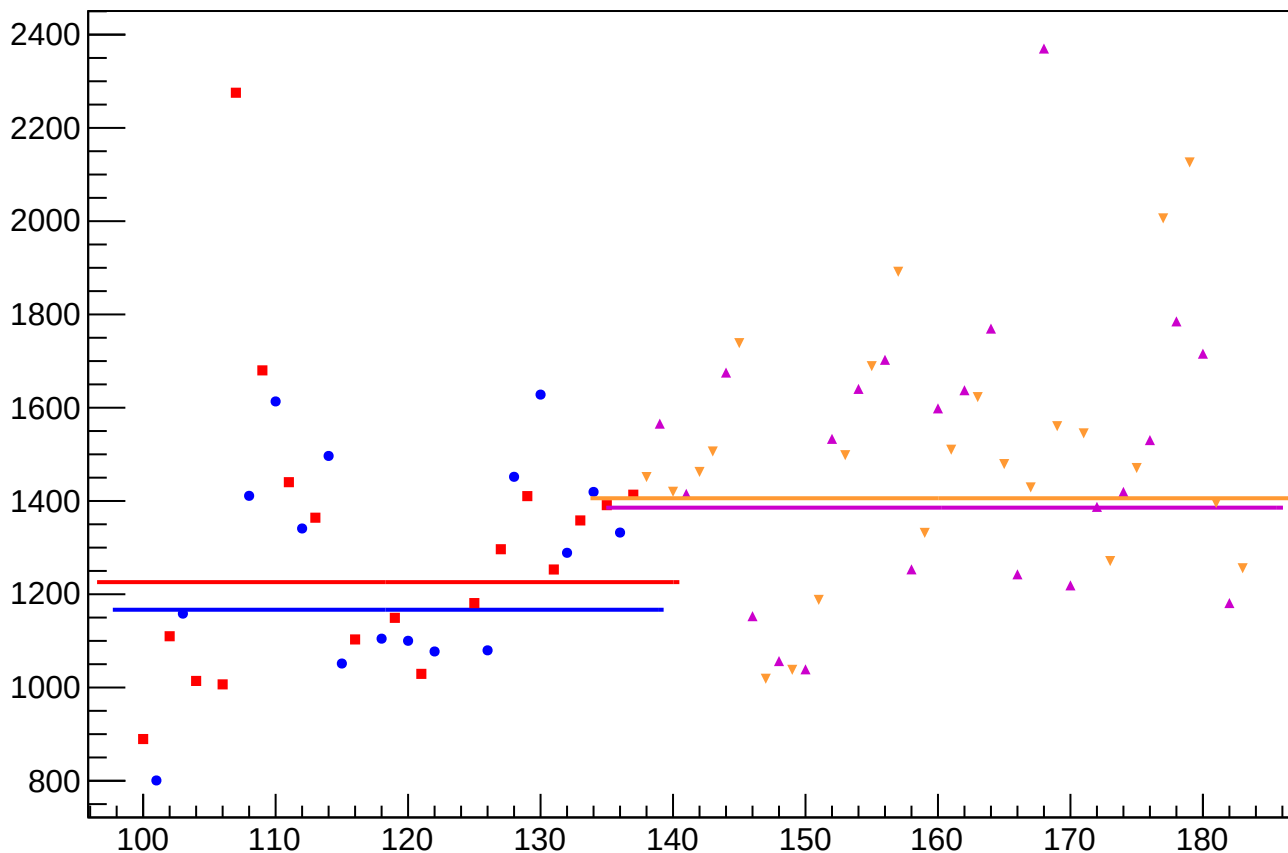
Right: -410.768 ± 332.049 $\chi^2/\text{NDF}: 32.0/33$

In: -118.204 ± 275.455 $\chi^2/\text{NDF}: 29.0/37$

Out: -242.021 ± 274.508 $\chi^2/\text{NDF}: 47.0/41$

All: -180.326 ± 194.440 $\chi^2/\text{NDF}: 76.2/79$

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1166.780 $\pm$ 0.329 χ^2 /NDF: 529794.9/15

Left Out: 1405.881 $\pm$ 0.238 χ^2 /NDF: 1121179.7/23

Right Out: 1225.994 $\pm$ 0.335 χ^2 /NDF: 441386.8/17

Left In: 1385.677 $\pm$ 0.242 χ^2 /NDF: 1262447.7/21

Left: 1395.926 $\pm$ 0.170 χ^2 /NDF: 2387173.9/45

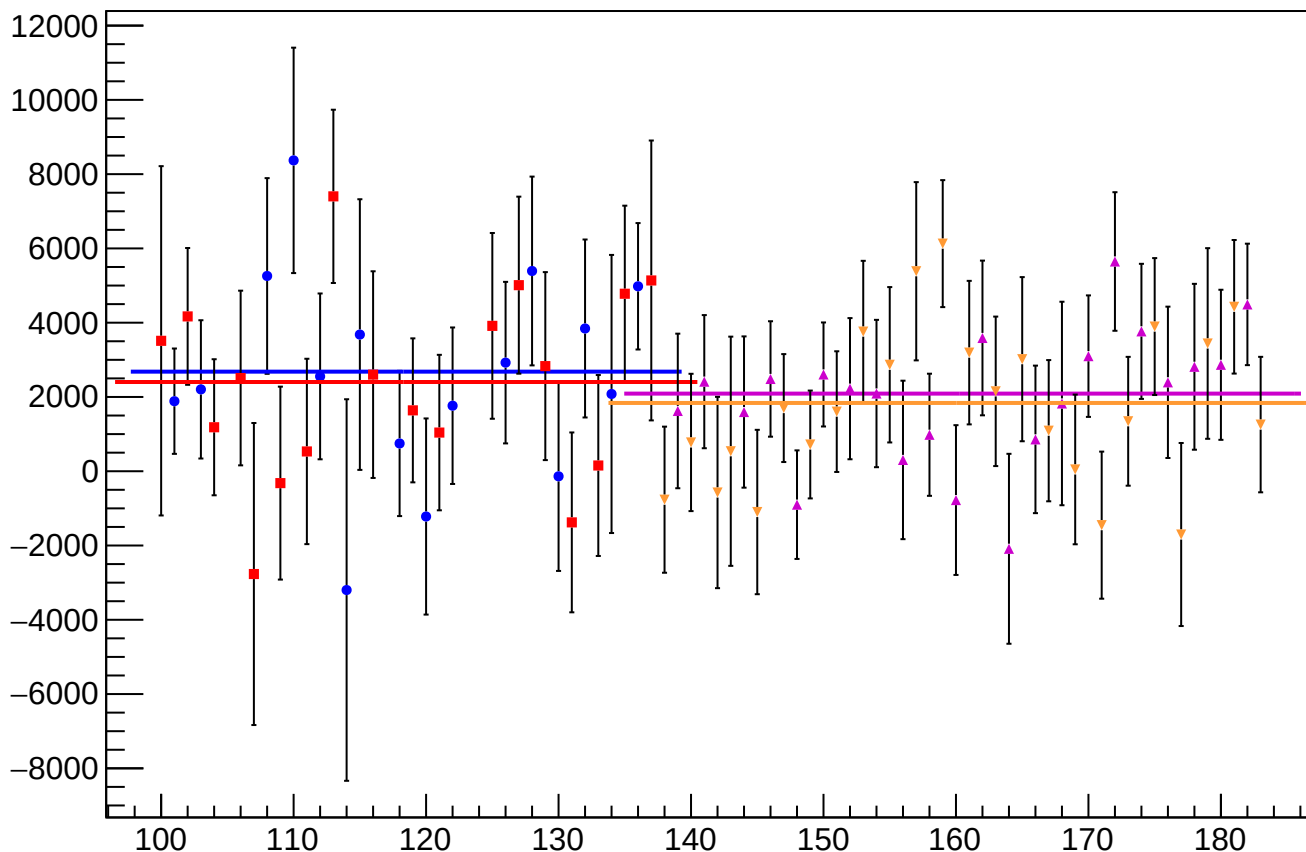
Right: 1195.859 $\pm$ 0.235 χ^2 /NDF: 987077.4/33

In: 1309.014 $\pm$ 0.195 χ^2 /NDF: 2079662.5/37

Out: 1345.506 $\pm$ 0.194 χ^2 /NDF: 1754074.5/41

All: 1327.323 $\pm$ 0.137 χ^2 /NDF: 3851348.3/79

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2681.840 $\pm$ 568.598 χ^2 /NDF: 14.0/15

Left Out: 1838.957 $\pm$ 395.071 χ^2 /NDF: 25.7/23

Right Out: 2402.934 $\pm$ 570.326 χ^2 /NDF: 16.3/17

Left In: 2090.283 $\pm$ 397.317 χ^2 /NDF: 18.6/21

Left: 1963.908 $\pm$ 280.148 χ^2 /NDF: 44.5/45

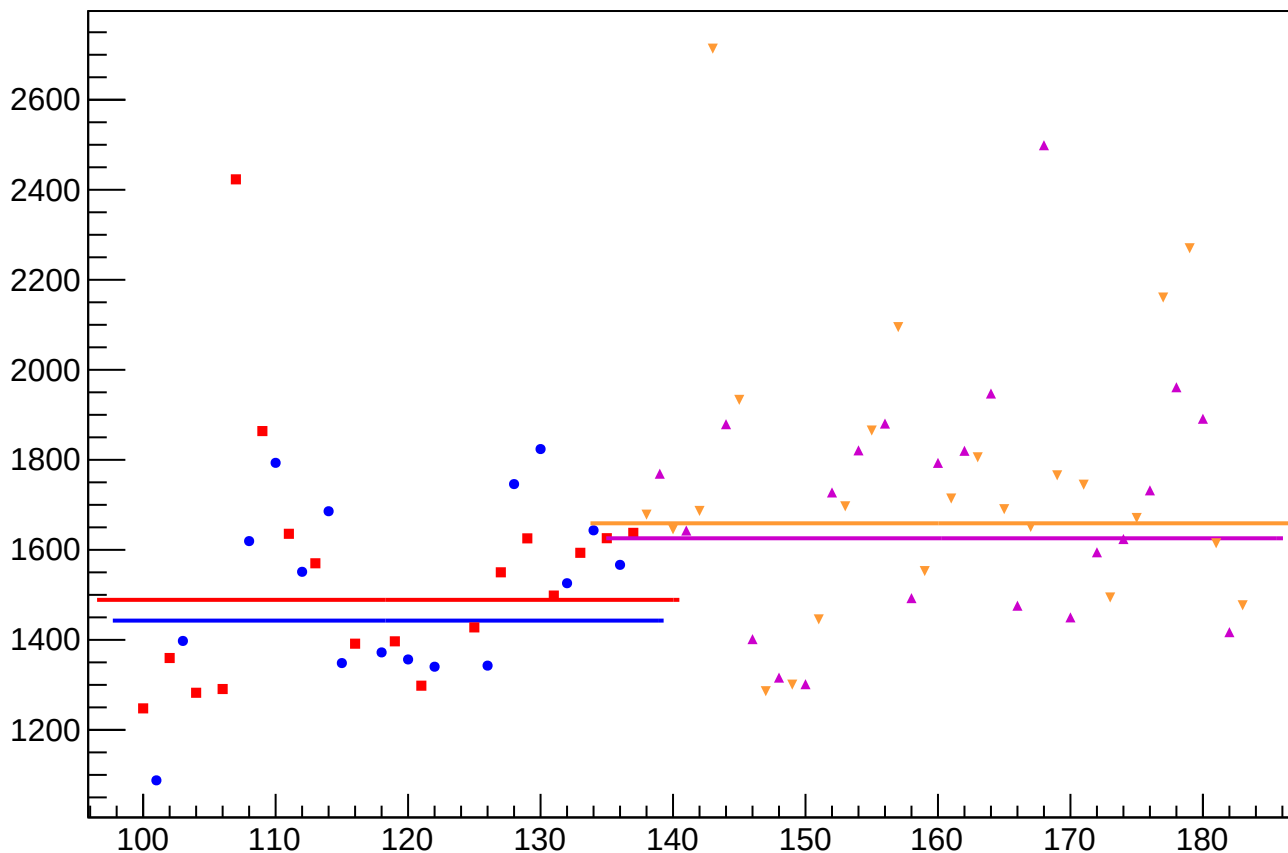
Right: 2542.810 $\pm$ 402.669 χ^2 /NDF: 30.4/33

In: 2284.361 $\pm$ 325.683 χ^2 /NDF: 33.4/37

Out: 2021.829 $\pm$ 324.763 χ^2 /NDF: 42.7/41

All: 2152.724 $\pm$ 229.967 χ^2 /NDF: 76.4/79

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1442.805 +/- 0.402 χ^2/NDF : 278289.5/15

Left Out: 1658.982 +/- 0.279 χ^2/NDF : 904421.2/23

Right Out: 1488.914 +/- 0.403 χ^2/NDF : 256704.3/17

Left In: 1625.694 +/- 0.281 χ^2/NDF : 764595.8/21

Left: 1642.432 +/- 0.198 χ^2/NDF : 1676076.5/45

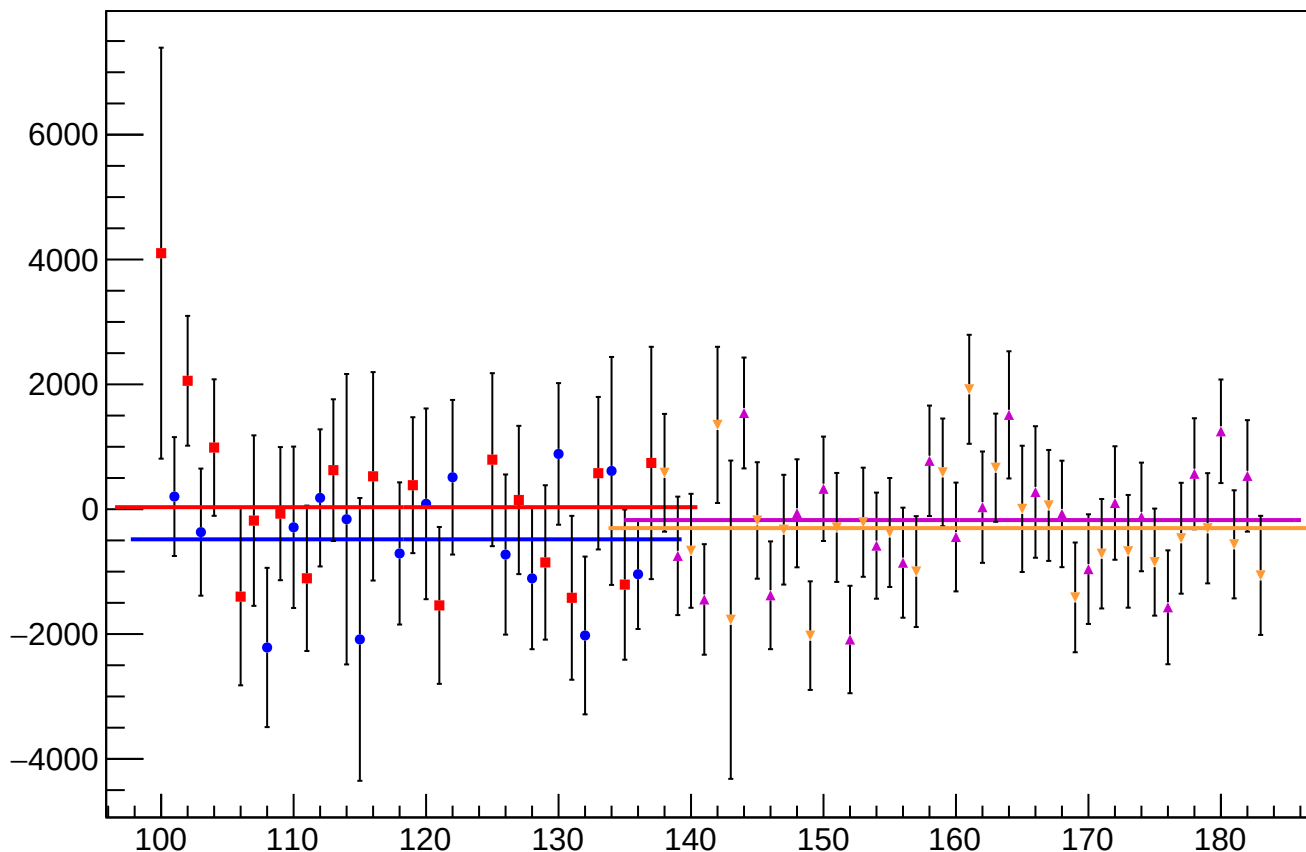
Right: 1465.790 +/- 0.285 χ^2/NDF : 541549.6/33

In: 1565.692 +/- 0.230 χ^2/NDF : 1181915.3/37

Out: 1603.837 +/- 0.230 χ^2/NDF : 1281301.0/41

All: 1584.818 +/- 0.163 χ^2/NDF : 2476973.1/79

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -482.437+/-305.341 χ^2/NDF : 8.2/15

Left Out: -302.899+/-187.399 χ^2/NDF :19.9/23

Right Out: 32.457+/-298.450 χ^2/NDF : 13.6/17

Left In: -173.999+/-189.417 χ^2/NDF :26.0/21

Left: -239.139+/-133.219 χ^2/NDF : 46.1/45

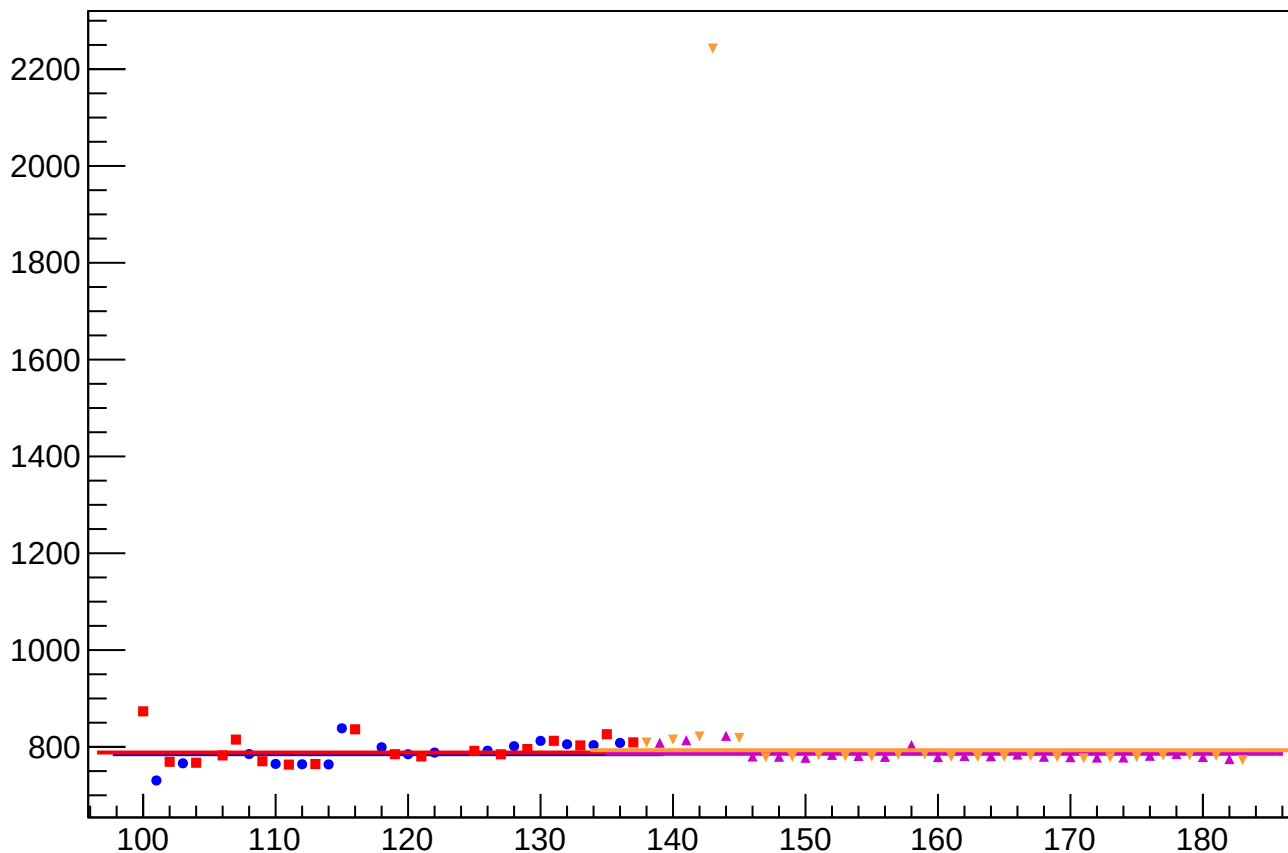
Right: -219.114+/-213.431 χ^2/NDF : 23.2/33

In: -259.710+/-160.961 χ^2/NDF :34.9/37

Out: -208.067+/-158.706 χ^2/NDF :34.4/41

All: -233.524+/-113.011 χ^2/NDF : 69.3/79

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.921+/-0.216 χ^2/NDF : 13814.6/15

Left Out: 793.113+/-0.133 χ^2/NDF : 659102.1/23

Right Out: 788.394+/-0.211 χ^2/NDF : 10968.1/17

Left In: 785.779+/-0.134 χ^2/NDF : 9257.4/21

Left: 789.486+/-0.094 χ^2/NDF : 669874.7/45

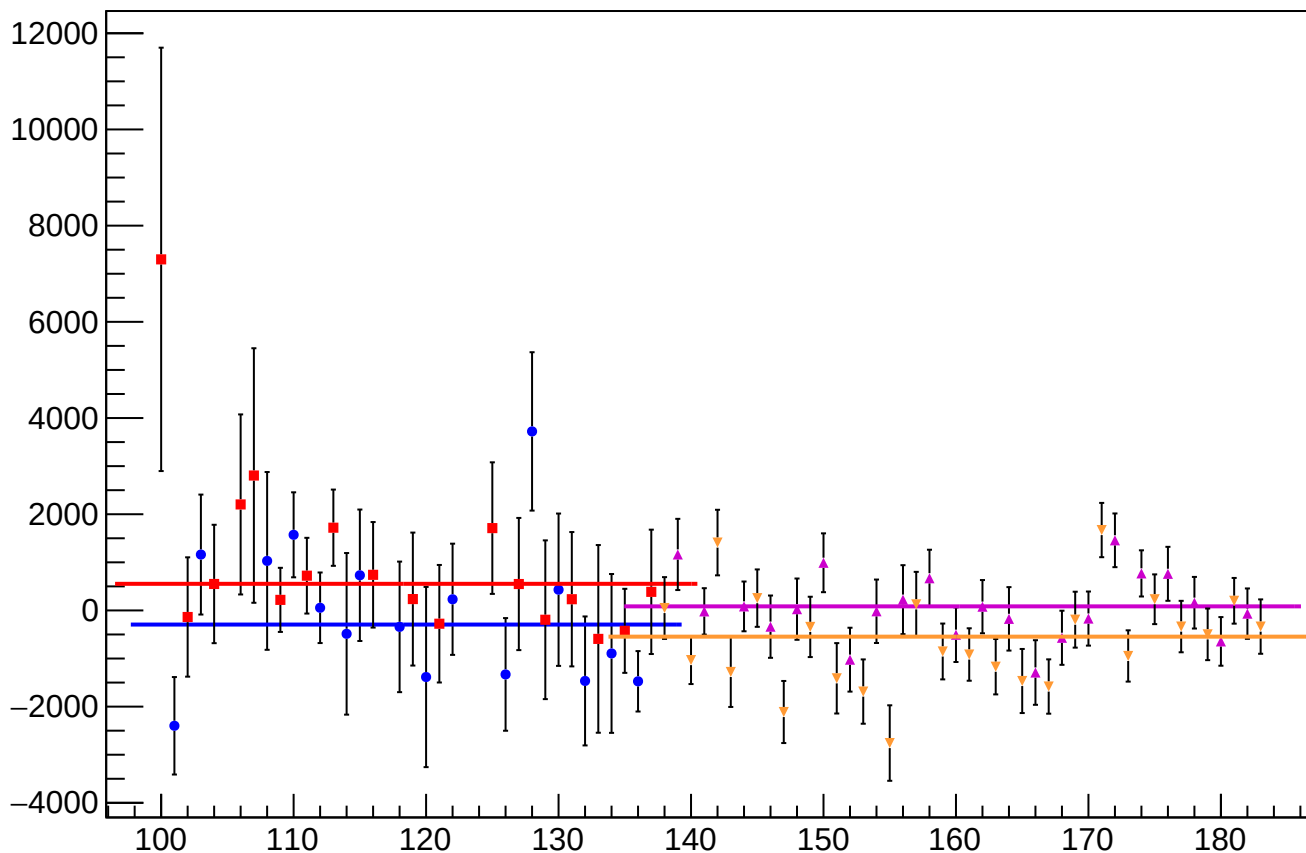
Right: 786.697+/-0.151 χ^2/NDF : 24915.0/33

In: 785.541+/-0.114 χ^2/NDF : 23083.4/37

Out: 791.779+/-0.112 χ^2/NDF : 670428.8/41

All: 788.704+/-0.080 χ^2/NDF : 695035.3/79

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -293.772 ± 283.190 $\chi^2/\text{NDF}: 23.4/15$

Left Out: -545.232 ± 120.576 $\chi^2/\text{NDF}: 60.7/23$

Right Out: 553.206 ± 273.321 $\chi^2/\text{NDF}: 9.8/17$

Left In: 84.549 ± 123.368 $\chi^2/\text{NDF}: 27.3/21$

Left: -237.548 ± 86.230 $\chi^2/\text{NDF}: 101.4/45$

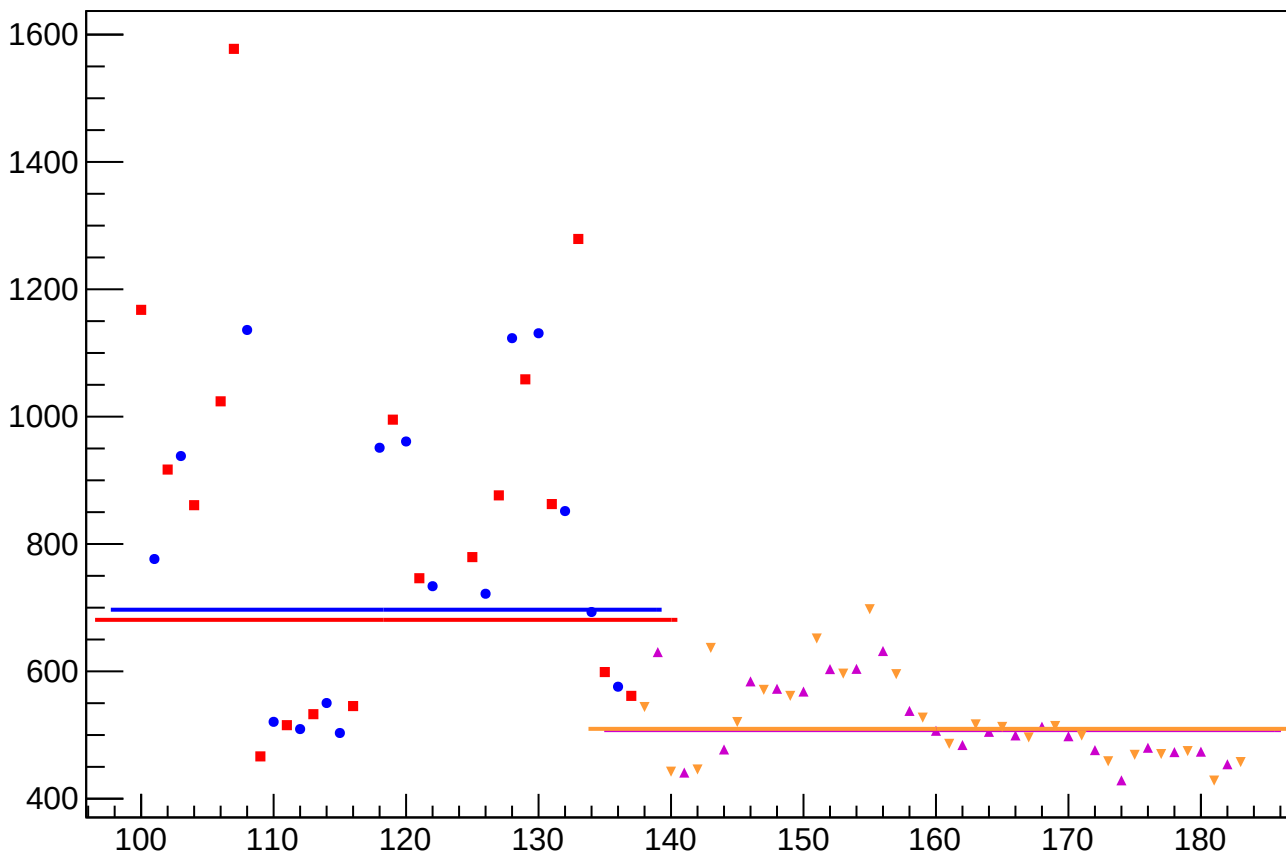
Right: 144.732 ± 196.664 $\chi^2/\text{NDF}: 37.7/33$

In: 24.204 ± 113.102 $\chi^2/\text{NDF}: 52.2/37$

Out: -366.285 ± 110.318 $\chi^2/\text{NDF}: 84.0/41$

All: -175.905 ± 78.972 $\chi^2/\text{NDF}: 142.3/79$

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 696.803 $\pm$ 0.200 χ^2 /NDF: 963973.0/15

Left Out: 509.704 $\pm$ 0.085 χ^2 /NDF: 542251.0/23

Right Out: 680.884 $\pm$ 0.193 χ^2 /NDF: 1353667.8/17

Left In: 507.691 $\pm$ 0.087 χ^2 /NDF: 425711.4/21

Left: 508.720 $\pm$ 0.061 χ^2 /NDF: 968234.8/45

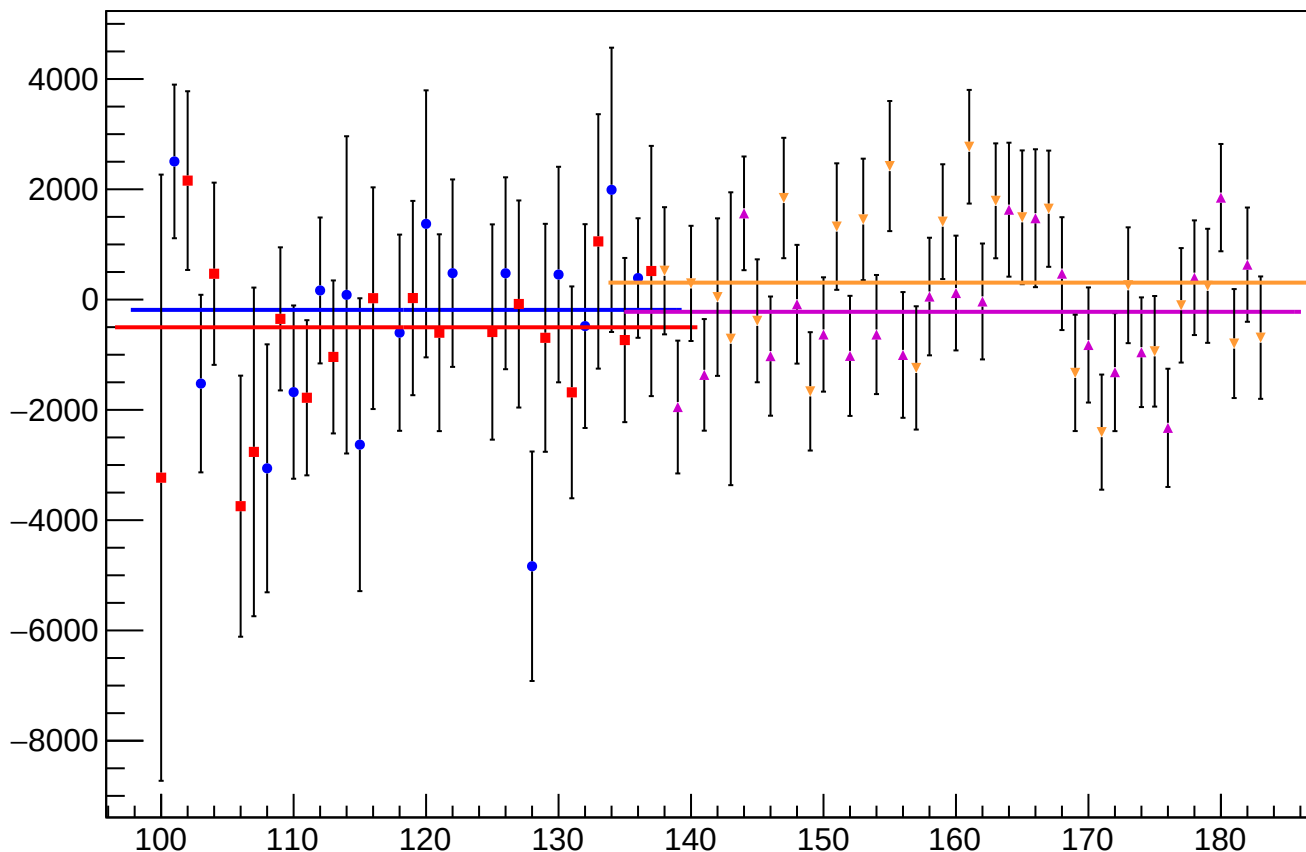
Right: 688.562 $\pm$ 0.139 χ^2 /NDF: 2320912.9/33

In: 537.856 $\pm$ 0.080 χ^2 /NDF: 2139320.5/37

Out: 537.591 $\pm$ 0.078 χ^2 /NDF: 2552612.8/41

All: 537.720 $\pm$ 0.056 χ^2 /NDF: 4691938.9/79

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -186.802 ± 434.855 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 307.326 ± 225.325 $\chi^2/\text{NDF}: 37.3/23$

Right Out: -502.321 ± 428.043 $\chi^2/\text{NDF}: 8.0/17$

Left In: -221.809 ± 227.676 $\chi^2/\text{NDF}: 24.4/21$

Left: 45.505 ± 160.154 $\chi^2/\text{NDF}: 64.4/45$

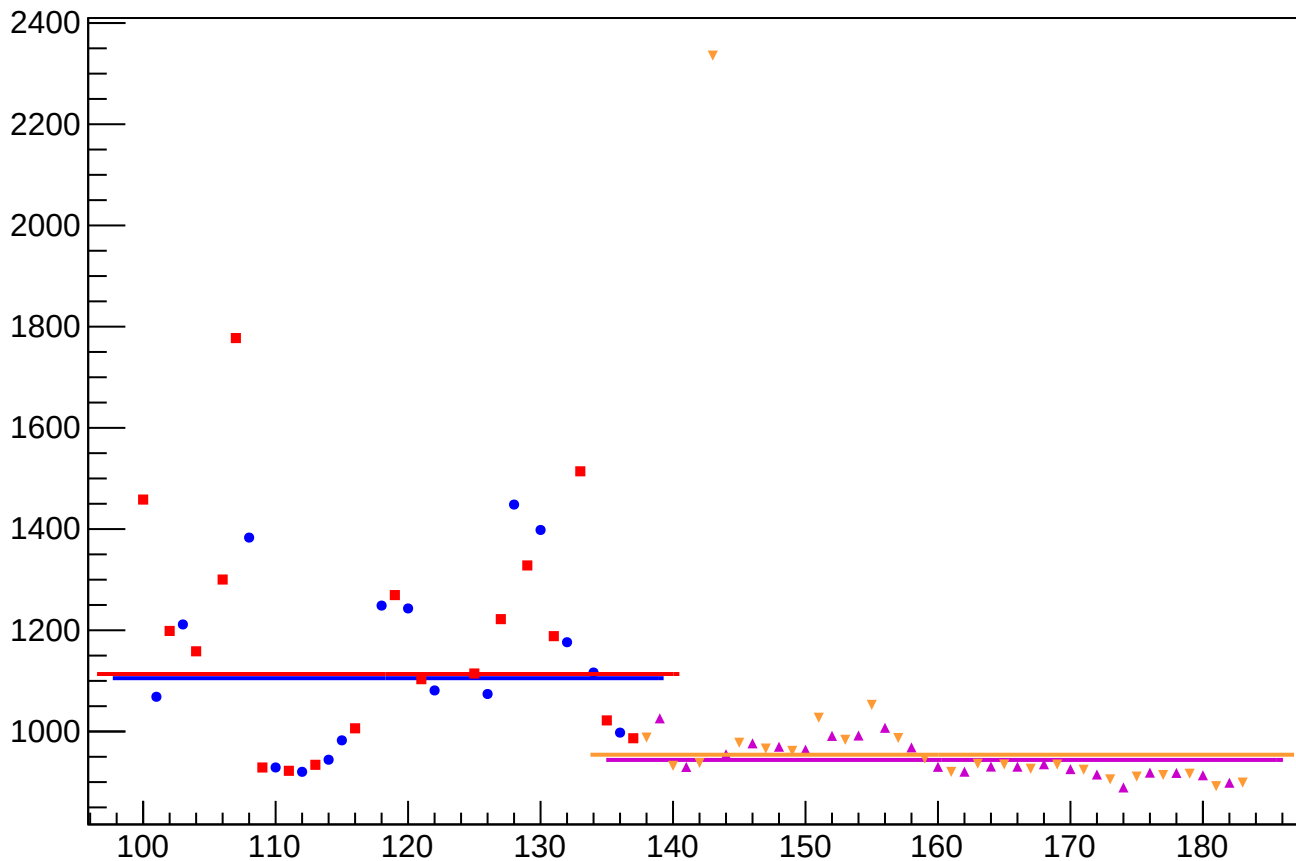
Right: -347.053 ± 305.052 $\chi^2/\text{NDF}: 23.1/33$

In: -214.277 ± 201.703 $\chi^2/\text{NDF}: 39.2/37$

Out: 131.649 ± 199.387 $\chi^2/\text{NDF}: 48.1/41$

All: -39.317 ± 141.800 $\chi^2/\text{NDF}: 88.8/79$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1105.313 $\pm$ 0.307 χ^2 /NDF: 258052.8/15

Left Out: 954.110 $\pm$ 0.159 χ^2 /NDF: 604252.8/23

Right Out: 1113.586 $\pm$ 0.303 χ^2 /NDF: 364341.2/17

Left In: 943.804 $\pm$ 0.161 χ^2 /NDF: 46765.2/21

Left: 949.011 $\pm$ 0.113 χ^2 /NDF: 653088.3/45

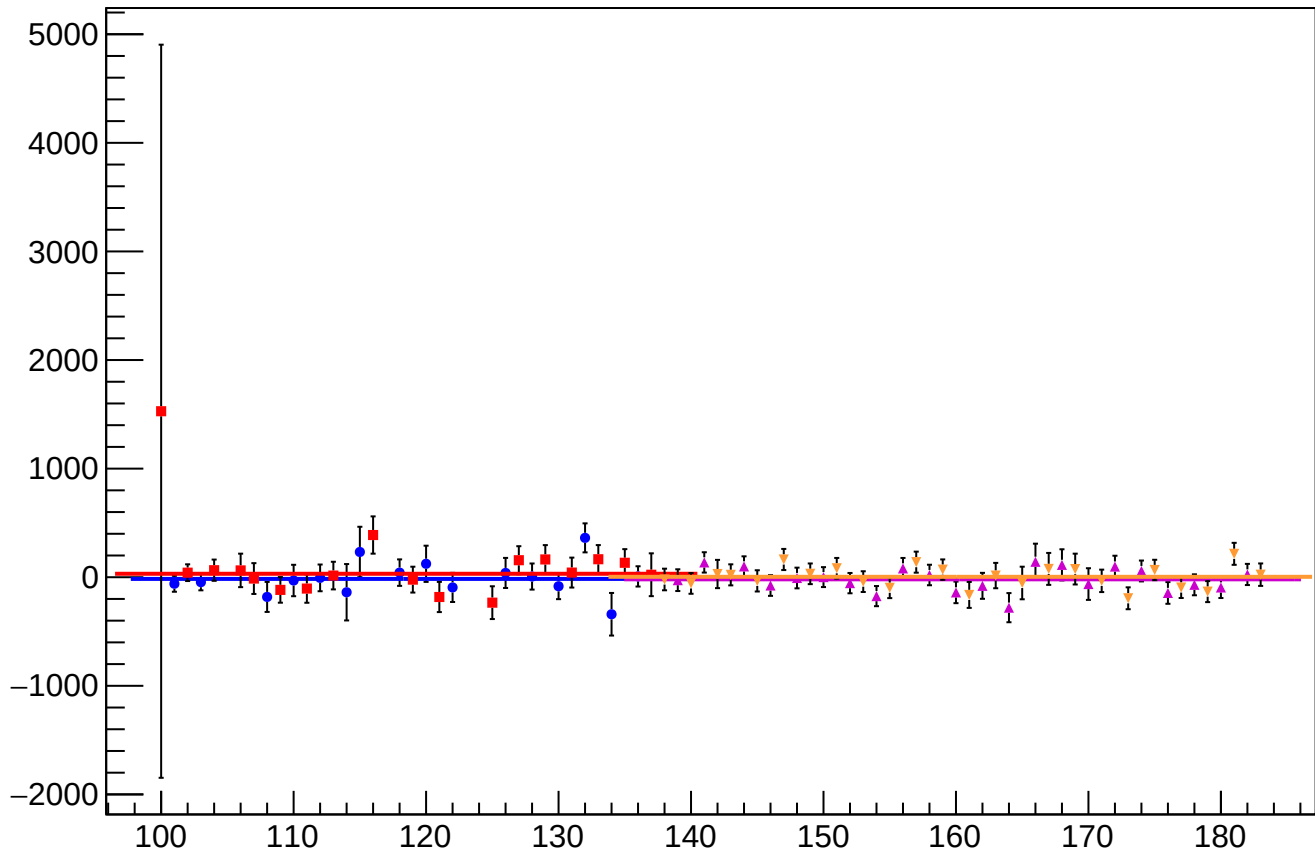
Right: 1109.515 $\pm$ 0.216 χ^2 /NDF: 622761.6/33

In: 978.552 $\pm$ 0.143 χ^2 /NDF: 521348.7/37

Out: 988.713 $\pm$ 0.141 χ^2 /NDF: 1185973.7/41

All: 983.692 $\pm$ 0.100 χ^2 /NDF: 1709889.5/79

reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -15.551 ± 30.032 χ^2/NDF : 15.9/15

Left Out: 3.750 ± 21.122 χ^2/NDF : 22.4/23

Right Out: 31.754 ± 30.492 χ^2/NDF : 16.8/17

Left In: -19.393 ± 21.791 χ^2/NDF : 21.1/21

Left: -7.461 ± 15.167 χ^2/NDF : 44.1/45

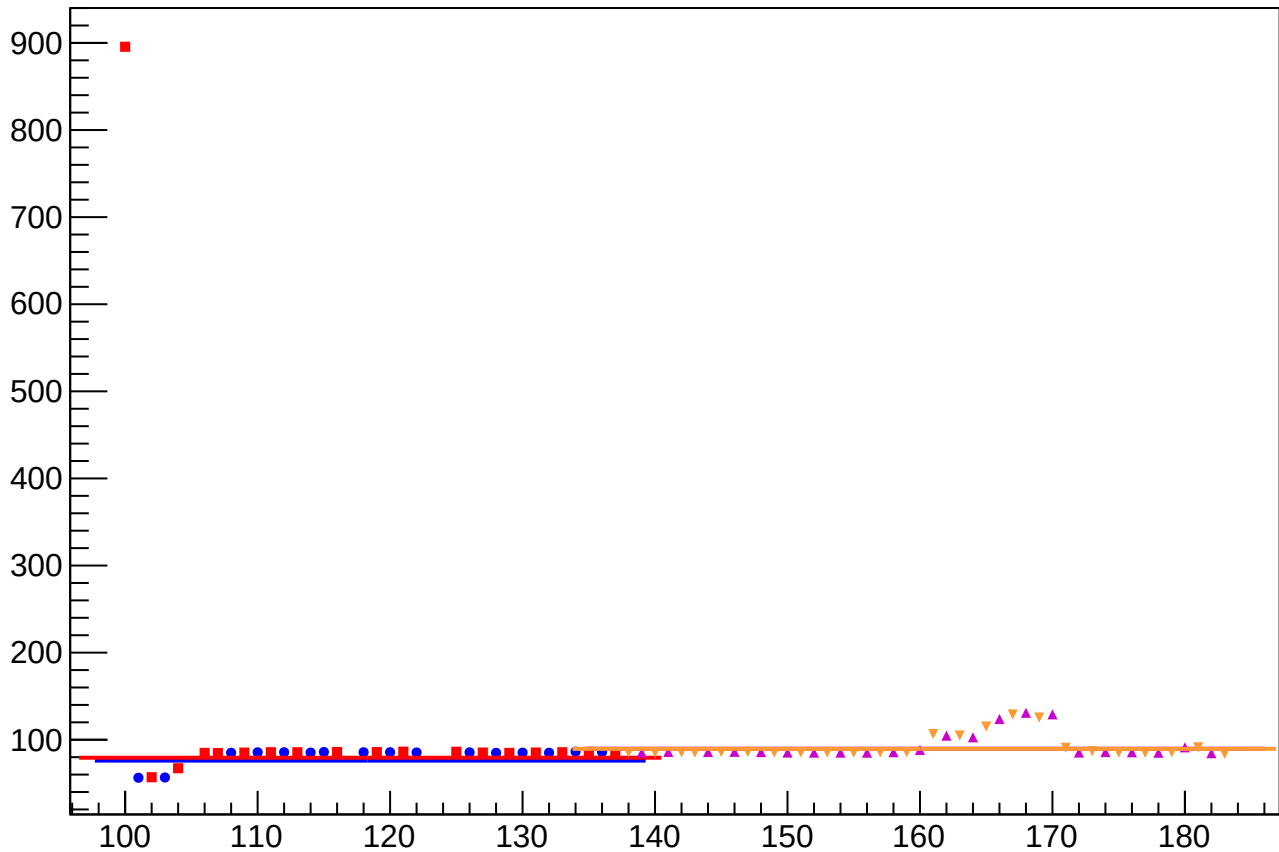
Right: 7.743 ± 21.397 χ^2/NDF : 34.0/33

In: -18.068 ± 17.637 χ^2/NDF : 37.1/37

Out: 12.830 ± 17.363 χ^2/NDF : 39.8/41

All: -2.377 ± 12.373 χ^2/NDF : 78.4/79

reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.053 $\pm$ 0.021 χ^2 /NDF: 408670.6/15

Left Out: 89.565 $\pm$ 0.015 χ^2 /NDF: 468362.3/23

Right Out: 79.371 $\pm$ 0.022 χ^2 /NDF: 378257.4/17

Left In: 89.703 $\pm$ 0.015 χ^2 /NDF: 505943.3/21

Left: 89.632 $\pm$ 0.011 χ^2 /NDF: 974346.7/45

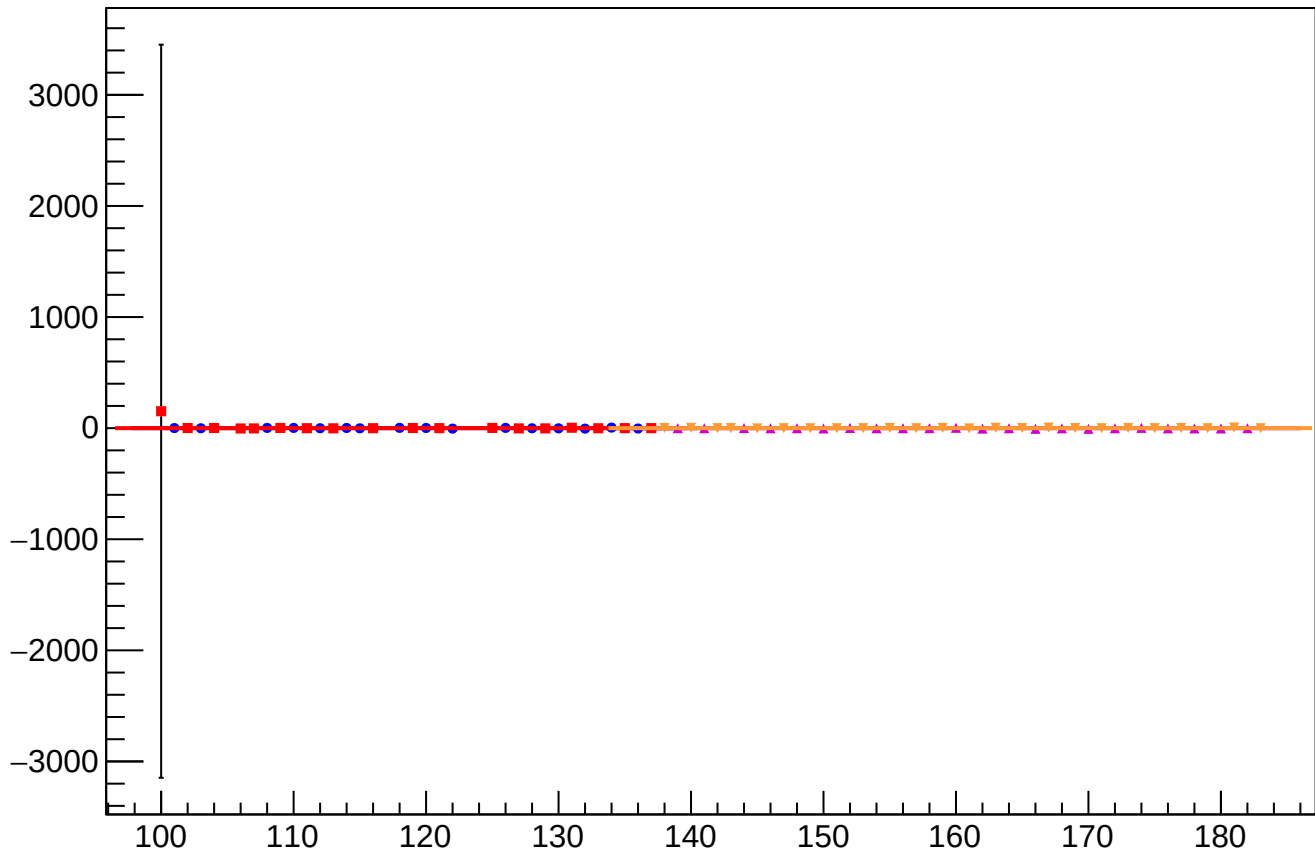
Right: 77.687 $\pm$ 0.015 χ^2 /NDF: 798945.2/33

In: 84.995 $\pm$ 0.012 χ^2 /NDF: 1185256.8/37

Out: 86.260 $\pm$ 0.012 χ^2 /NDF: 997691.7/41

All: 85.637 $\pm$ 0.009 χ^2 /NDF: 2188169.7/79

asym_ds_avg_correction_mean vs Slug, Sign Corrected



Right In: -0.290 ± 0.502 χ^2/NDF : 20.9/15

Left Out: 0.164 ± 0.369 χ^2/NDF : 20.8/23

Right Out: 0.038 ± 0.525 χ^2/NDF : 9.9/17

Left In: -0.532 ± 0.390 χ^2/NDF : 26.3/21

Left: -0.165 ± 0.268 χ^2/NDF : 48.7/45

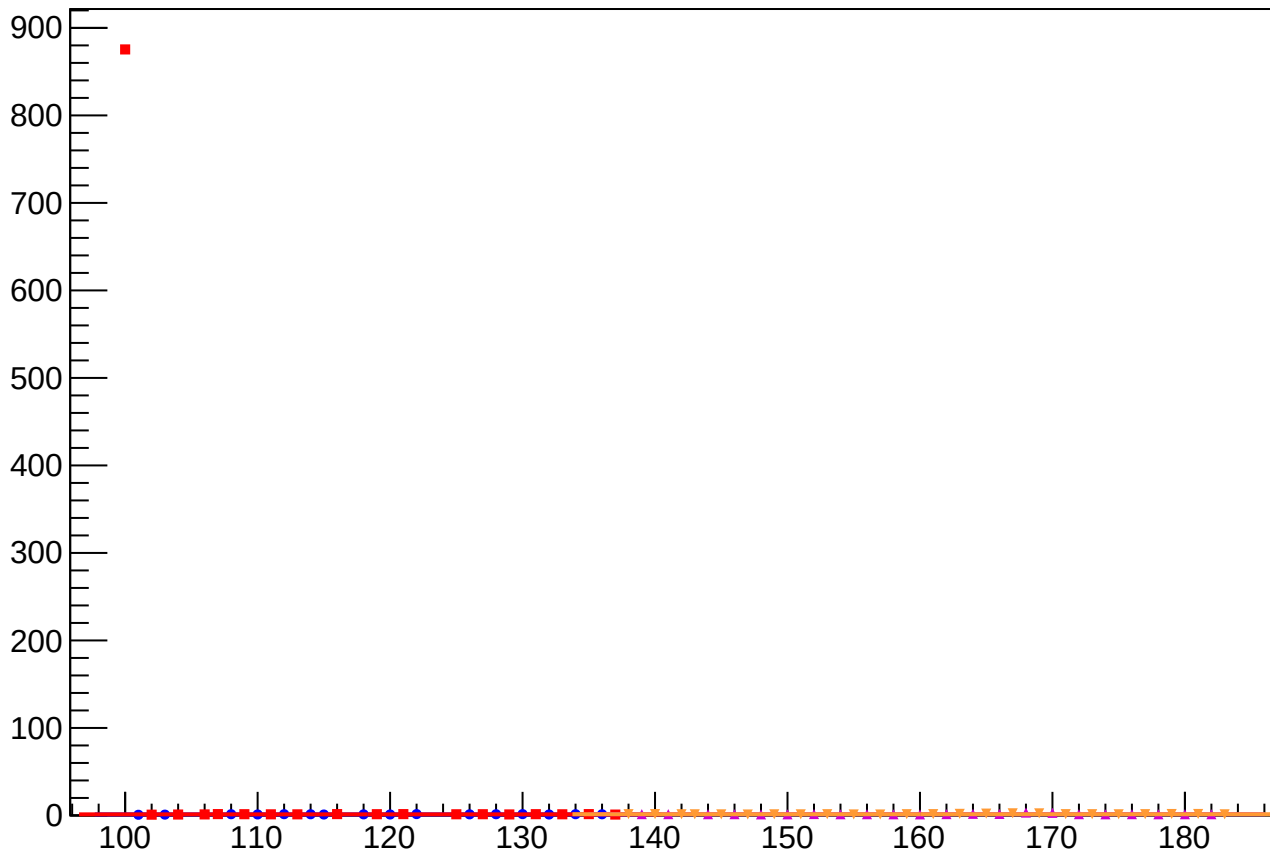
Right: -0.133 ± 0.363 χ^2/NDF : 31.0/33

In: -0.441 ± 0.308 χ^2/NDF : 47.3/37

Out: 0.122 ± 0.302 χ^2/NDF : 30.8/41

All: -0.154 ± 0.216 χ^2/NDF : 79.8/79

asym_ds_avg_correction_rms vs Slug, Sign Corrected



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 506239.7/15

Left Out: 1.403 $\pm$ 0.000 χ^2 /NDF: 989423.5/23

Right Out: 1.259 $\pm$ 0.000 χ^2 /NDF: 489381.1/17

Left In: 1.452 $\pm$ 0.000 χ^2 /NDF: 995252.6/21

Left: 1.426 $\pm$ 0.000 χ^2 /NDF: 2001815.2/45

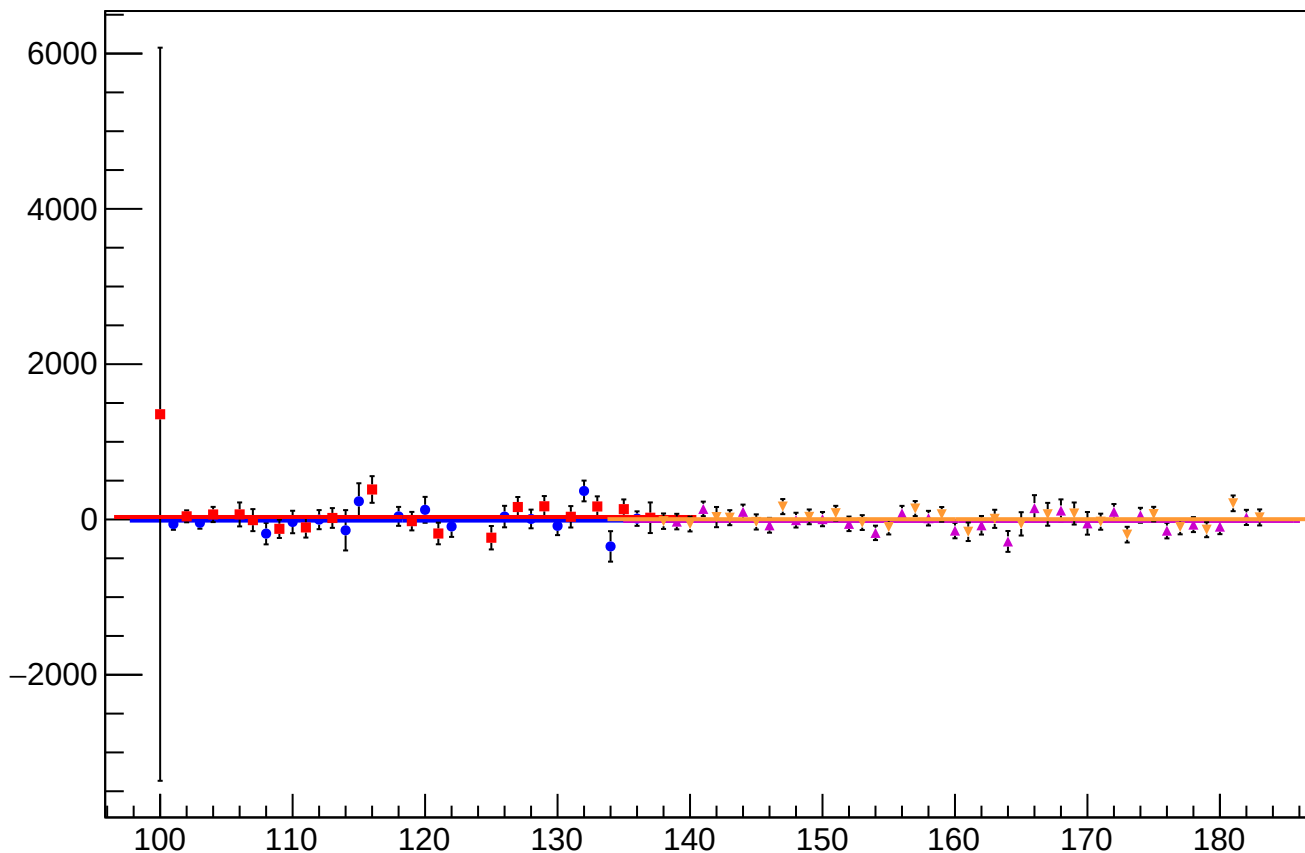
Right: 1.203 $\pm$ 0.000 χ^2 /NDF: 1038995.7/33

In: 1.339 $\pm$ 0.000 χ^2 /NDF: 1947812.1/37

Out: 1.355 $\pm$ 0.000 χ^2 /NDF: 1578787.4/41

All: 1.347 $\pm$ 0.000 χ^2 /NDF: 3529316.3/79

asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -14.487 ± 30.040 χ^2/NDF : 16.2/15

Left Out: 3.601 ± 21.129 χ^2/NDF : 22.0/23

Right Out: 32.033 ± 30.500 χ^2/NDF : 16.8/17

Left In: -18.936 ± 21.798 χ^2/NDF : 21.0/21

Left: -7.316 ± 15.171 χ^2/NDF : 43.6/45

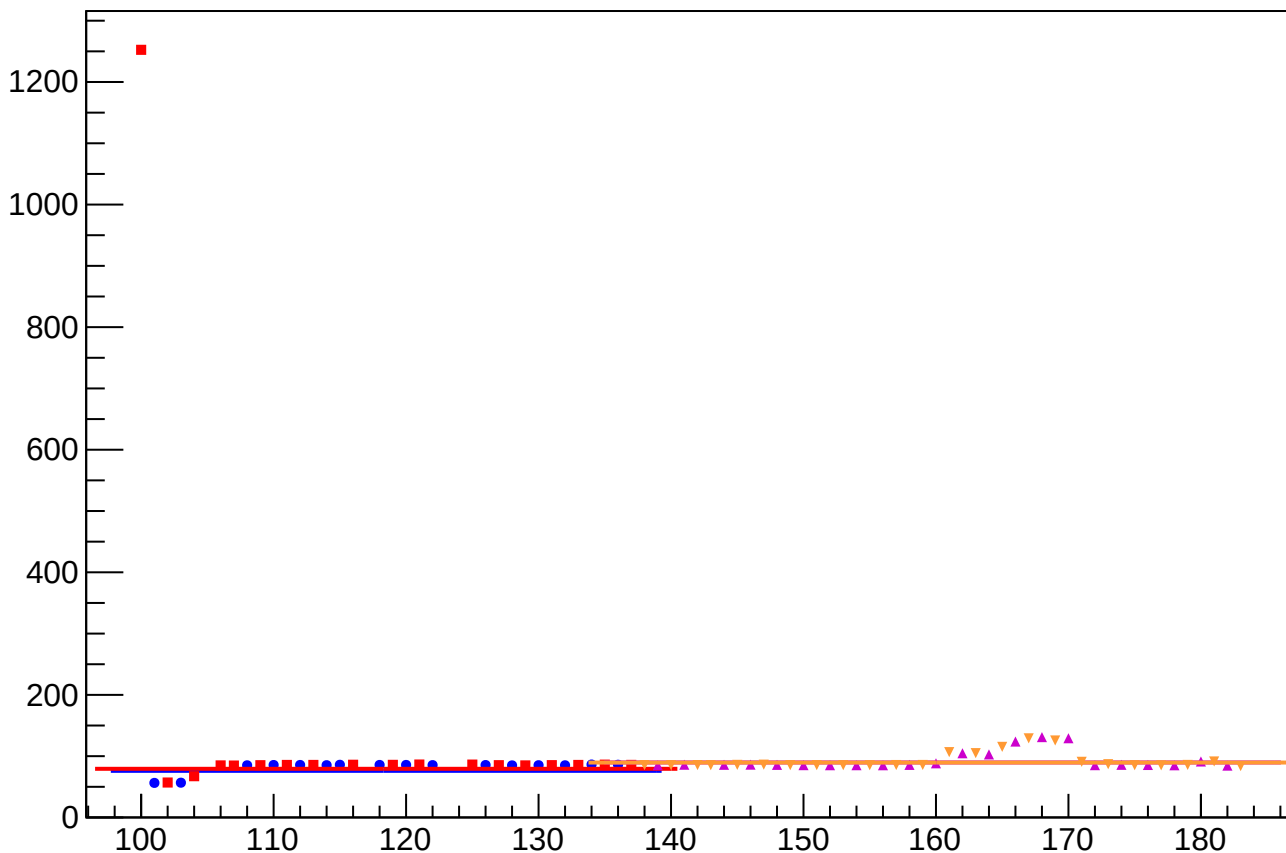
Right: 8.419 ± 21.402 χ^2/NDF : 34.2/33

In: -17.402 ± 17.643 χ^2/NDF : 37.2/37

Out: 12.821 ± 17.368 χ^2/NDF : 39.4/41

All: -2.054 ± 12.377 χ^2/NDF : 78.1/79

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.073 $\pm$ 0.021 χ^2 /NDF: 408699.5/15

Left Out: 89.592 $\pm$ 0.015 χ^2 /NDF: 469115.9/23

Right Out: 79.374 $\pm$ 0.022 χ^2 /NDF: 384780.1/17

Left In: 89.729 $\pm$ 0.015 χ^2 /NDF: 506824.3/21

Left: 89.658 $\pm$ 0.011 χ^2 /NDF: 975981.3/45

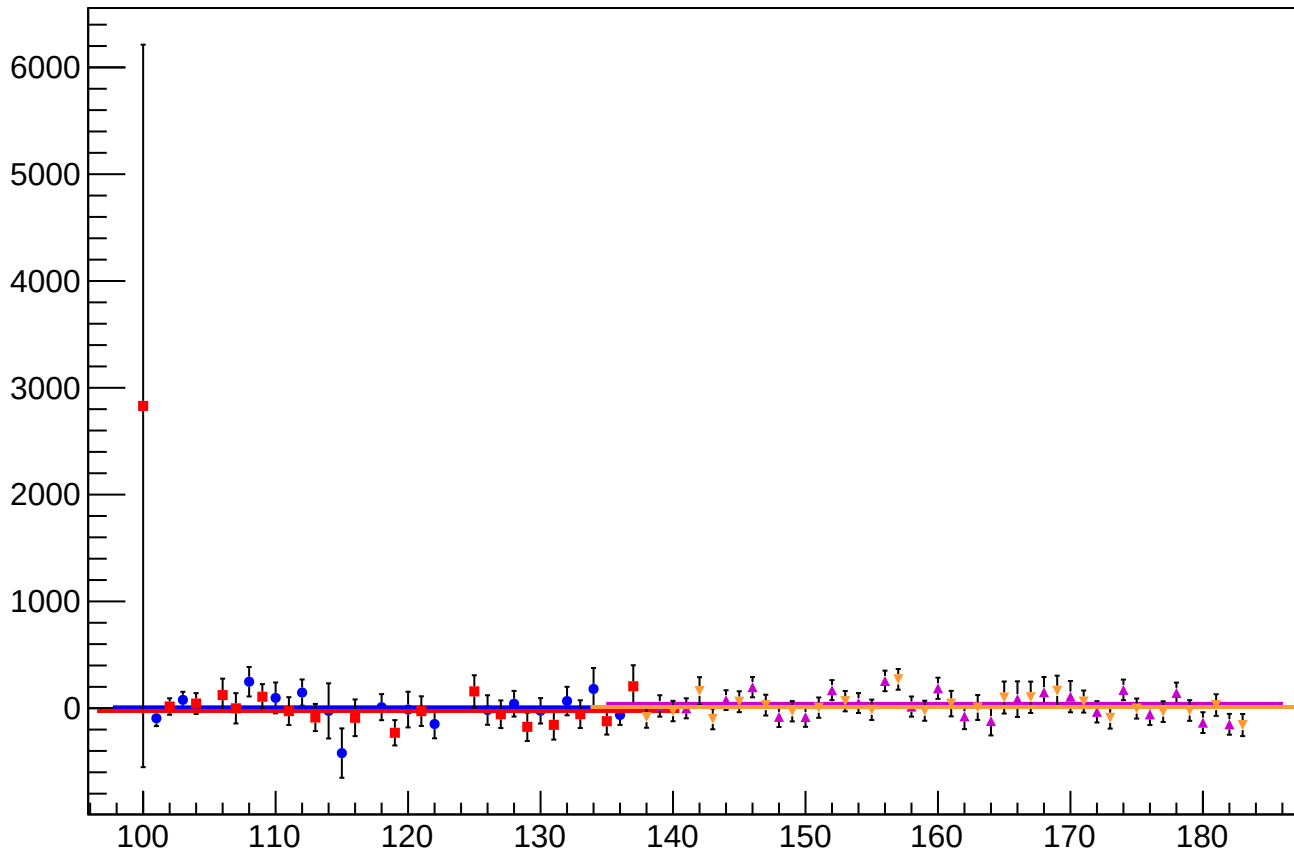
Right: 77.699 $\pm$ 0.015 χ^2 /NDF: 805371.7/33

In: 85.019 $\pm$ 0.012 χ^2 /NDF: 1186289.1/37

Out: 86.278 $\pm$ 0.012 χ^2 /NDF: 1005564.5/41

All: 85.659 $\pm$ 0.009 χ^2 /NDF: 2197029.4/79

reg_asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 8.113 ± 30.012 χ^2/NDF : 14.0/15

Left Out: 11.610 ± 21.127 χ^2/NDF : 18.1/23

Right Out: -25.774 ± 30.473 χ^2/NDF : 12.8/17

Left In: 40.464 ± 21.800 χ^2/NDF : 30.5/21

Left: 25.585 ± 15.172 χ^2/NDF : 49.5/45

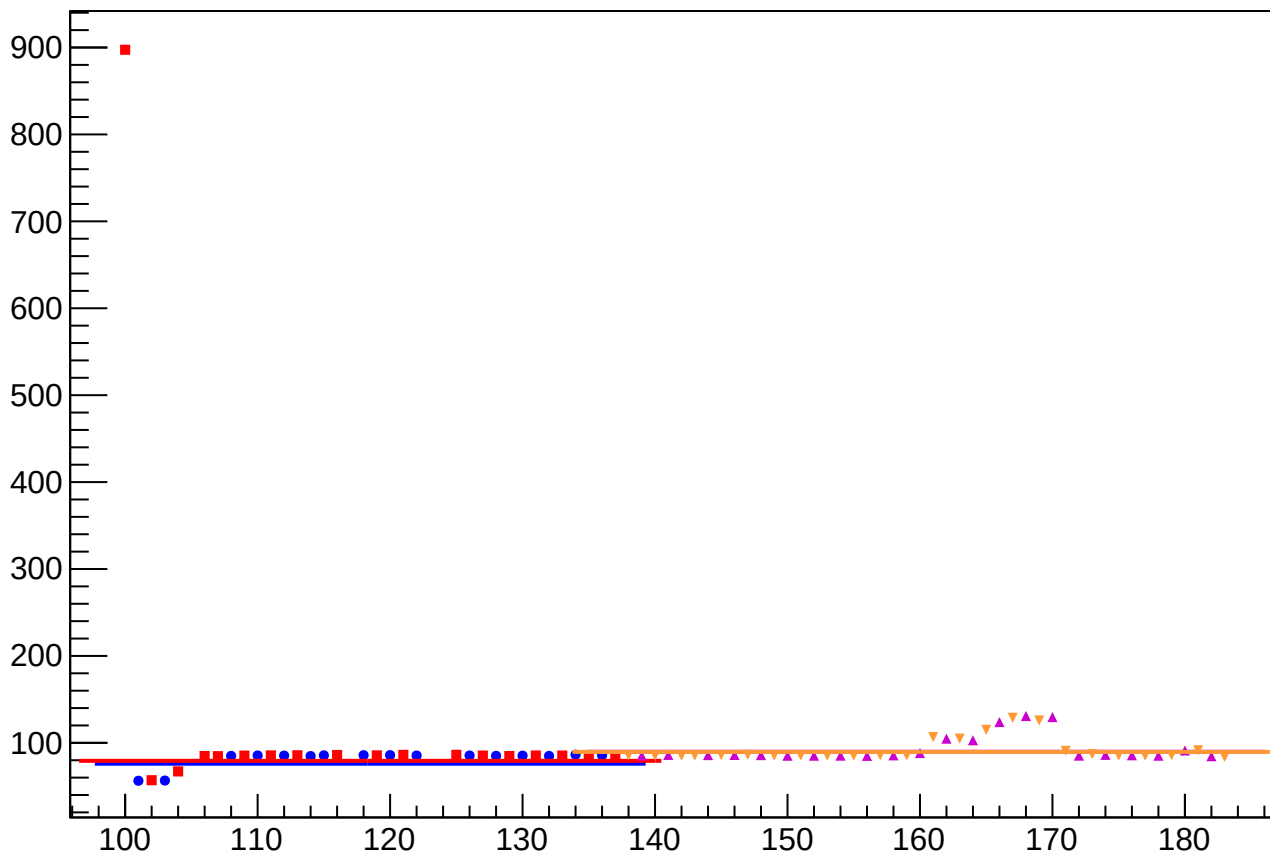
Right: -8.572 ± 21.383 χ^2/NDF : 27.4/33

In: 29.291 ± 17.638 χ^2/NDF : 45.2/37

Out: -0.526 ± 17.363 χ^2/NDF : 31.9/41

All: 14.147 ± 12.373 χ^2/NDF : 78.6/79

reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.004 $\pm$ 0.021 χ^2 /NDF: 408328.4/15

Left Out: 89.589 $\pm$ 0.015 χ^2 /NDF: 467046.1/23

Right Out: 79.322 $\pm$ 0.022 χ^2 /NDF: 378093.1/17

Left In: 89.736 $\pm$ 0.015 χ^2 /NDF: 508436.0/21

Left: 89.660 $\pm$ 0.011 χ^2 /NDF: 975528.9/45

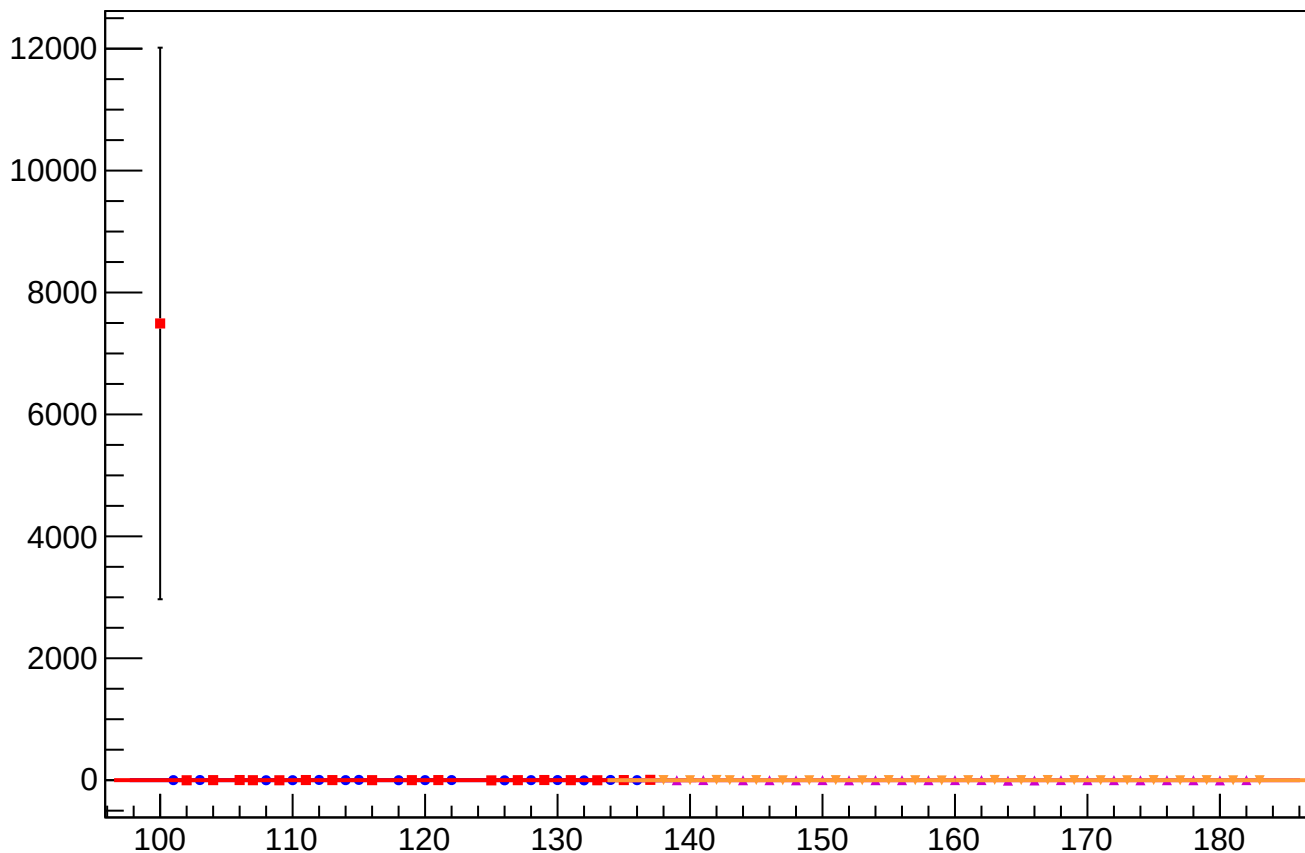
Right: 77.638 $\pm$ 0.015 χ^2 /NDF: 798459.7/33

In: 84.993 $\pm$ 0.012 χ^2 /NDF: 1190840.9/37

Out: 86.256 $\pm$ 0.012 χ^2 /NDF: 998455.4/41

All: 85.634 $\pm$ 0.009 χ^2 /NDF: 2194503.2/79

asym_ds_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.892 ± 0.531 χ^2/NDF : 11.9/15

Left Out: -0.475 ± 0.384 χ^2/NDF : 19.6/23

Right Out: 0.347 ± 0.549 χ^2/NDF : 13.4/17

Left In: 0.004 ± 0.394 χ^2/NDF : 18.5/21

Left: -0.241 ± 0.275 χ^2/NDF : 38.8/45

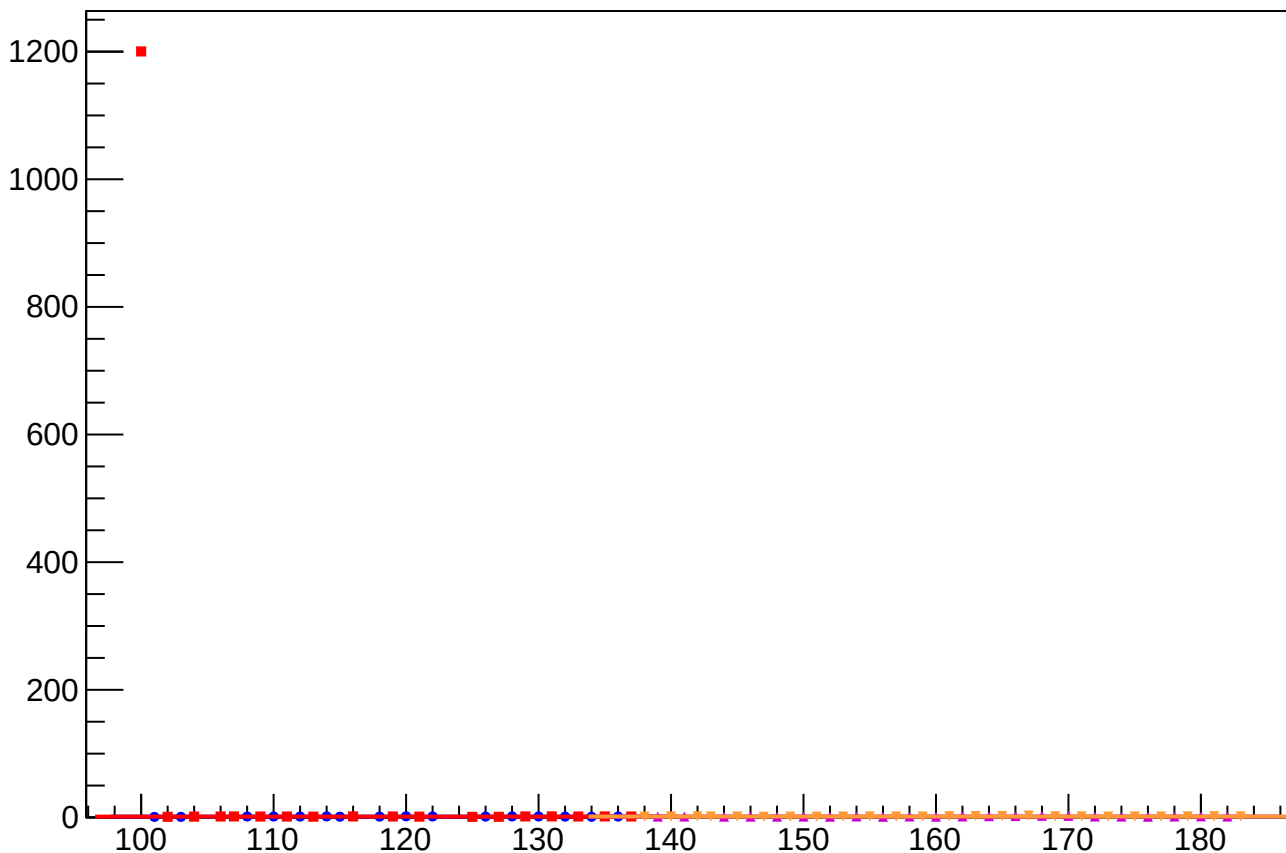
Right: 0.629 ± 0.382 χ^2/NDF : 25.9/33

In: 0.320 ± 0.317 χ^2/NDF : 32.2/37

Out: -0.204 ± 0.315 χ^2/NDF : 34.6/41

All: 0.056 ± 0.223 χ^2/NDF : 68.1/79

asym_ds_dd_correction_rms vs Slug, Sign Corrected



Right In: 1.233+/-0.000 χ^2/NDF : 625758.9/15

Left Out: 1.470+/-0.000 χ^2/NDF : 1148949.1/23

Right Out: 1.315+/-0.000 χ^2/NDF : 517133.0/17

Left In: 1.463+/-0.000 χ^2/NDF : 1045886.3/21

Left: 1.467+/-0.000 χ^2/NDF : 2195142.0/45

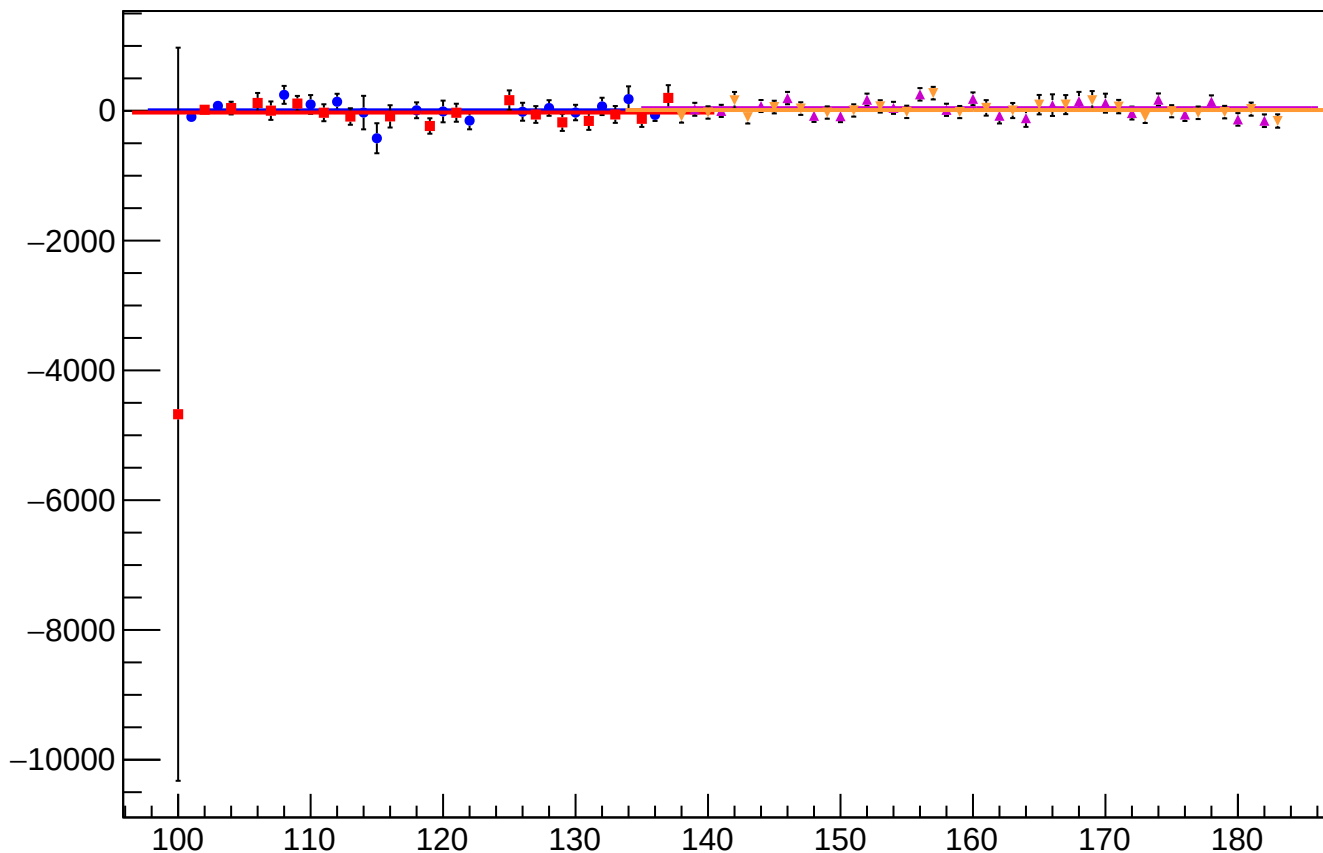
Right: 1.273+/-0.000 χ^2/NDF : 1166063.6/33

In: 1.381+/-0.000 χ^2/NDF : 1913338.7/37

Out: 1.419+/-0.000 χ^2/NDF : 1772530.7/41

All: 1.400+/-0.000 χ^2/NDF : 3700042.9/79

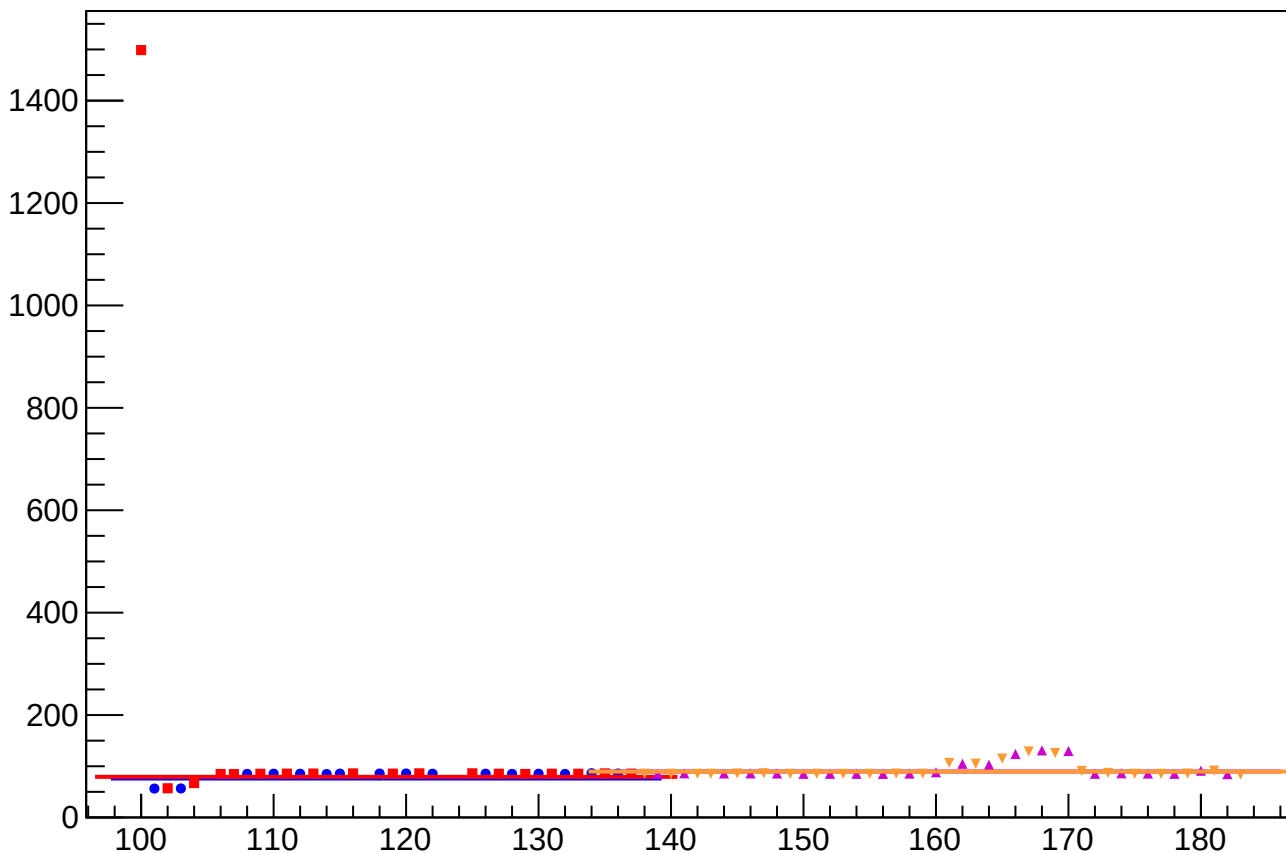
asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 7.406 ± 30.020 χ^2/NDF : 13.9/15
 Left Out: 12.134 ± 21.134 χ^2/NDF : 18.0/23
 Right Out: -26.384 ± 30.482 χ^2/NDF : 13.0/17
 Left In: 40.907 ± 21.807 χ^2/NDF : 30.1/21

Left: 26.070 ± 15.176 χ^2/NDF : 49.0/45
 Right: -9.231 ± 21.389 χ^2/NDF : 27.5/33
 In: 29.336 ± 17.643 χ^2/NDF : 44.8/37
 Out: -0.371 ± 17.368 χ^2/NDF : 32.0/41
 All: 14.249 ± 12.377 χ^2/NDF : 78.3/79

asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.025+/-0.021 χ^2 /NDF: 408370.9/15

Left Out: 89.616+/-0.015 χ^2 /NDF: 467802.5/23

Right Out: 79.319+/-0.022 χ^2 /NDF: 387351.7/17

Left In: 89.763+/-0.015 χ^2 /NDF: 509243.2/21

Left: 89.687+/-0.011 χ^2 /NDF: 977092.3/45

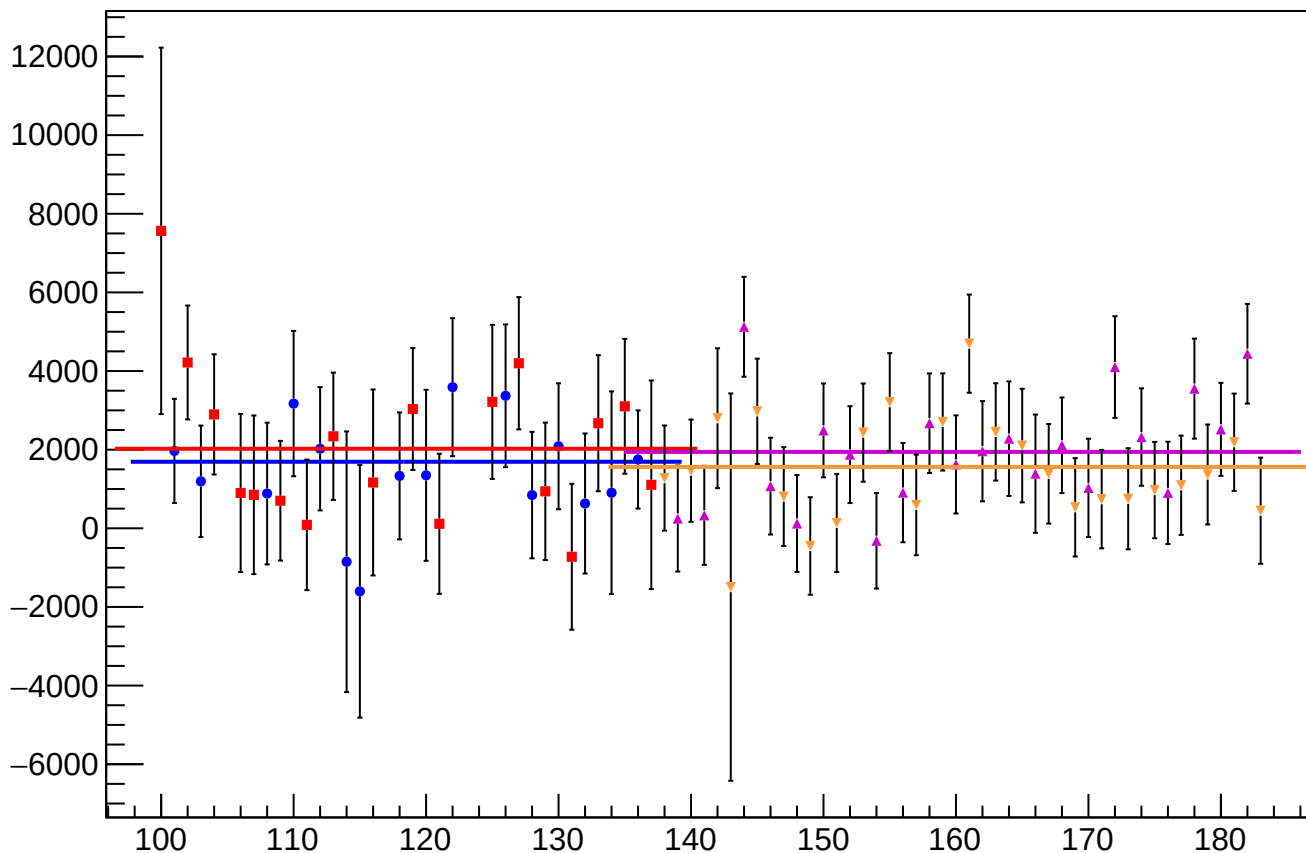
Right: 77.647+/-0.015 χ^2 /NDF: 807581.4/33

In: 85.017+/-0.012 χ^2 /NDF: 1191786.3/37

Out: 86.273+/-0.012 χ^2 /NDF: 1009293.9/41

All: 85.655+/-0.009 χ^2 /NDF: 2206225.2/79

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1692.799 $\pm$ 431.563 χ^2 /NDF: 5.6/15

Left Out: 1559.902 $\pm$ 267.881 χ^2 /NDF:19.8/23

Right Out: 2024.185 $\pm$ 423.428 χ^2 /NDF: 13.8/17

Left In: 1943.292 $\pm$ 270.302 χ^2 /NDF:26.9/21

Left: 1749.872 $\pm$ 190.270 χ^2 /NDF: 47.7/45

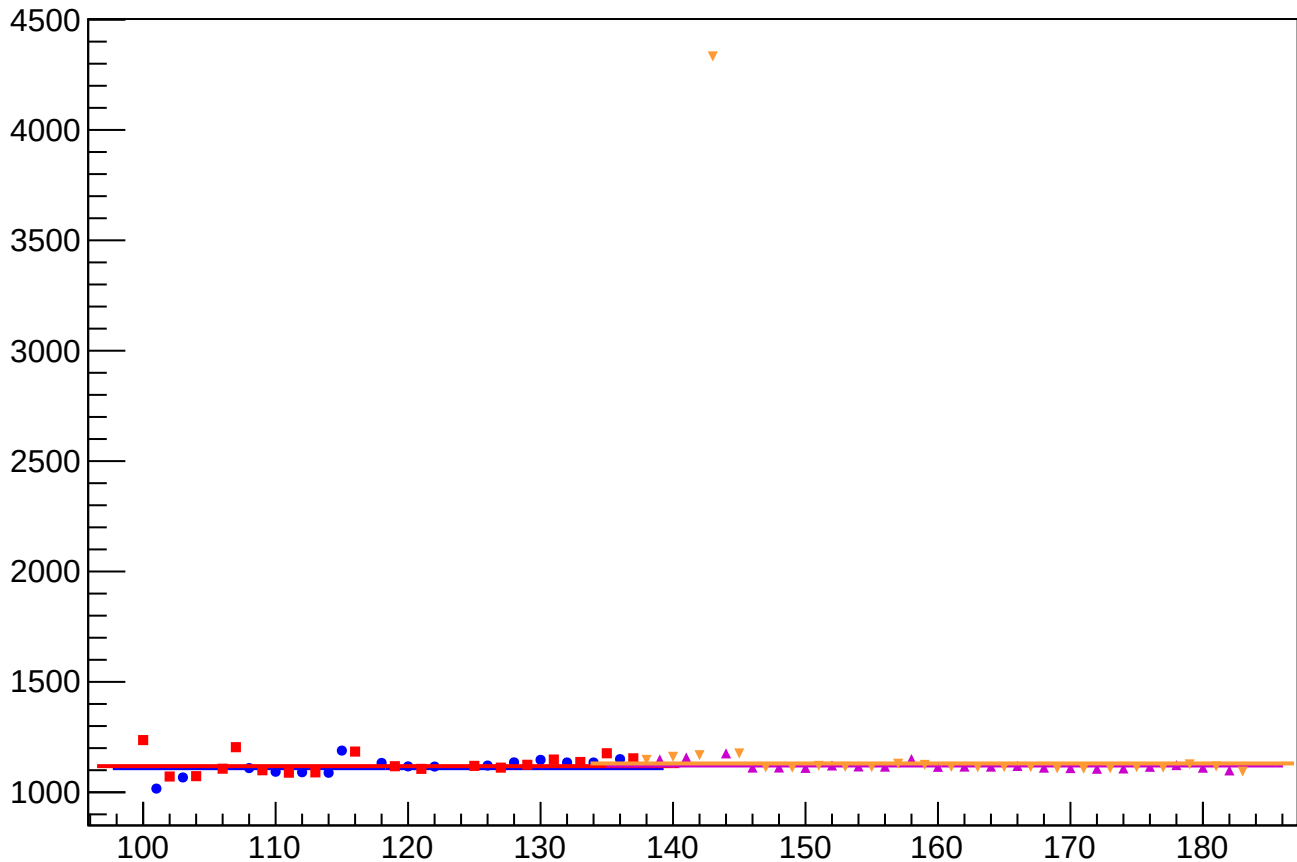
Right: 1861.645 $\pm$ 302.244 χ^2 /NDF: 19.7/33

In: 1872.713 $\pm$ 229.078 χ^2 /NDF:32.7/37

Out: 1692.612 $\pm$ 226.381 χ^2 /NDF:34.5/41

All: 1781.596 $\pm$ 161.021 χ^2 /NDF: 67.5/79

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1109.203+/-0.305 χ^2/NDF : 18241.7/15

Left Out: 1130.565+/-0.189 χ^2/NDF : 857433.6/23

Right Out: 1118.351+/-0.299 χ^2/NDF : 15519.6/17

Left In: 1121.312+/-0.191 χ^2/NDF : 9474.5/21

Left: 1125.980+/-0.135 χ^2/NDF : 868090.4/45

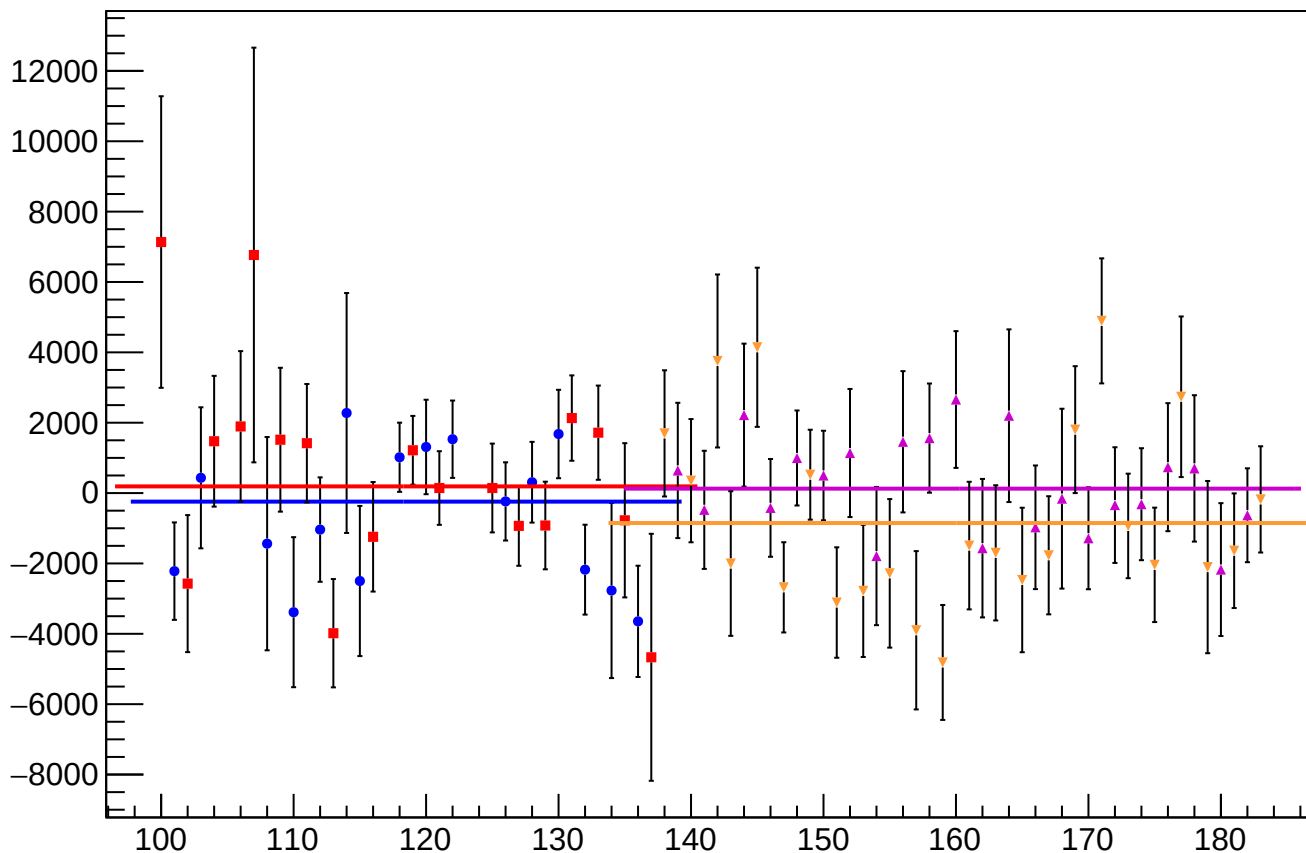
Right: 1113.864+/-0.214 χ^2/NDF : 34219.3/33

In: 1117.900+/-0.162 χ^2/NDF : 28847.2/37

Out: 1127.074+/-0.160 χ^2/NDF : 874141.6/41

All: 1122.542+/-0.114 χ^2/NDF : 904611.4/79

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -242.985 $\pm$ 361.487 χ^2 /NDF: 22.5/15

Left Out: -851.264 $\pm$ 359.502 χ^2 /NDF: 43.2/23

Right Out: 189.815 $\pm$ 357.555 χ^2 /NDF: 25.2/17

Left In: 126.031 $\pm$ 363.761 χ^2 /NDF: 11.1/21

Left: -368.371 $\pm$ 255.699 χ^2 /NDF: 58.0/45

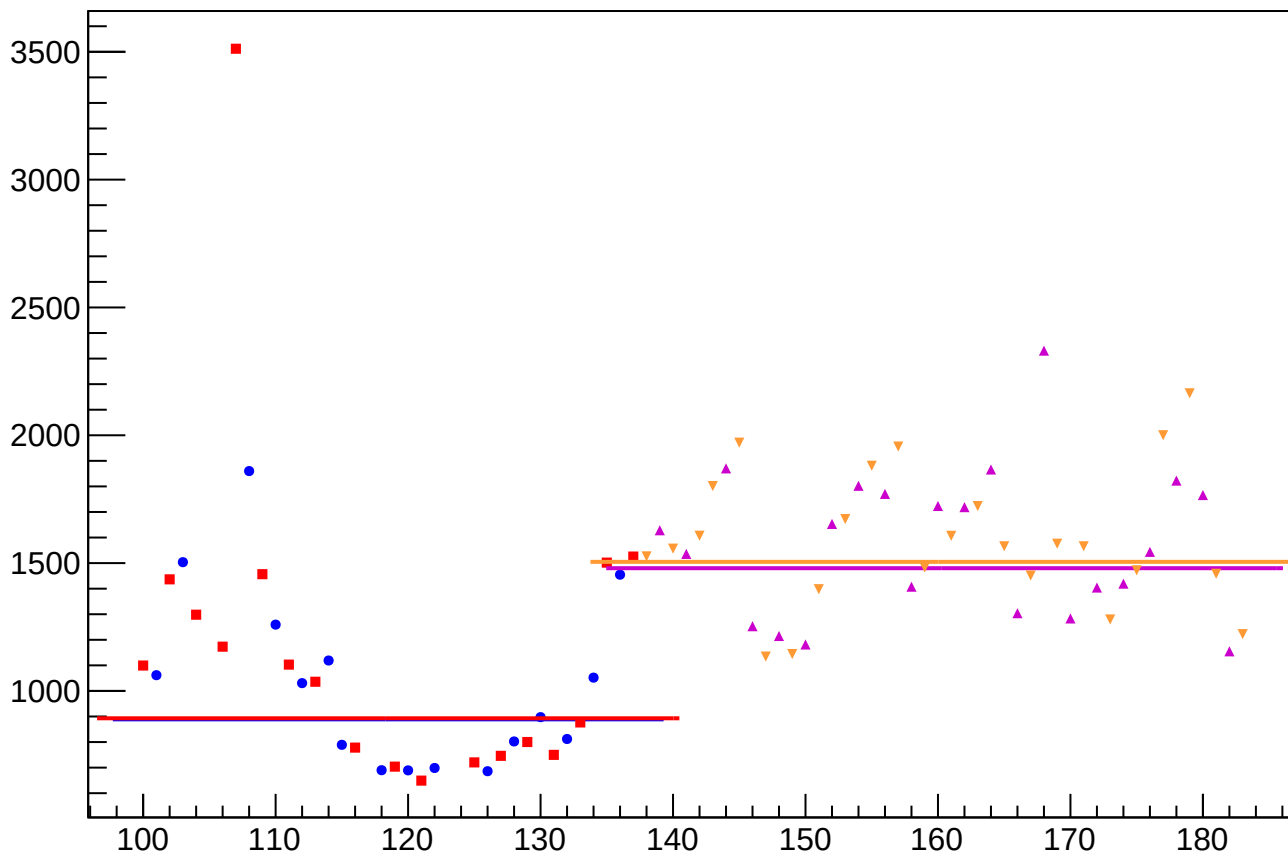
Right: -24.219 $\pm$ 254.208 χ^2 /NDF: 48.4/33

In: -59.634 $\pm$ 256.410 χ^2 /NDF: 34.2/37

Out: -327.898 $\pm$ 253.515 χ^2 /NDF: 72.6/41

All: -195.289 $\pm$ 180.277 χ^2 /NDF: 107.4/79

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 888.808+/-0.256 χ^2/NDF : 1052628.4/15

Left Out: 1504.902+/-0.254 χ^2/NDF : 1027010.5/23

Right Out: 892.975+/-0.253 χ^2/NDF : 1409163.7/17

Left In: 1480.018+/-0.257 χ^2/NDF : 1063937.2/21

Left: 1492.606+/-0.181 χ^2/NDF : 2095682.5/45

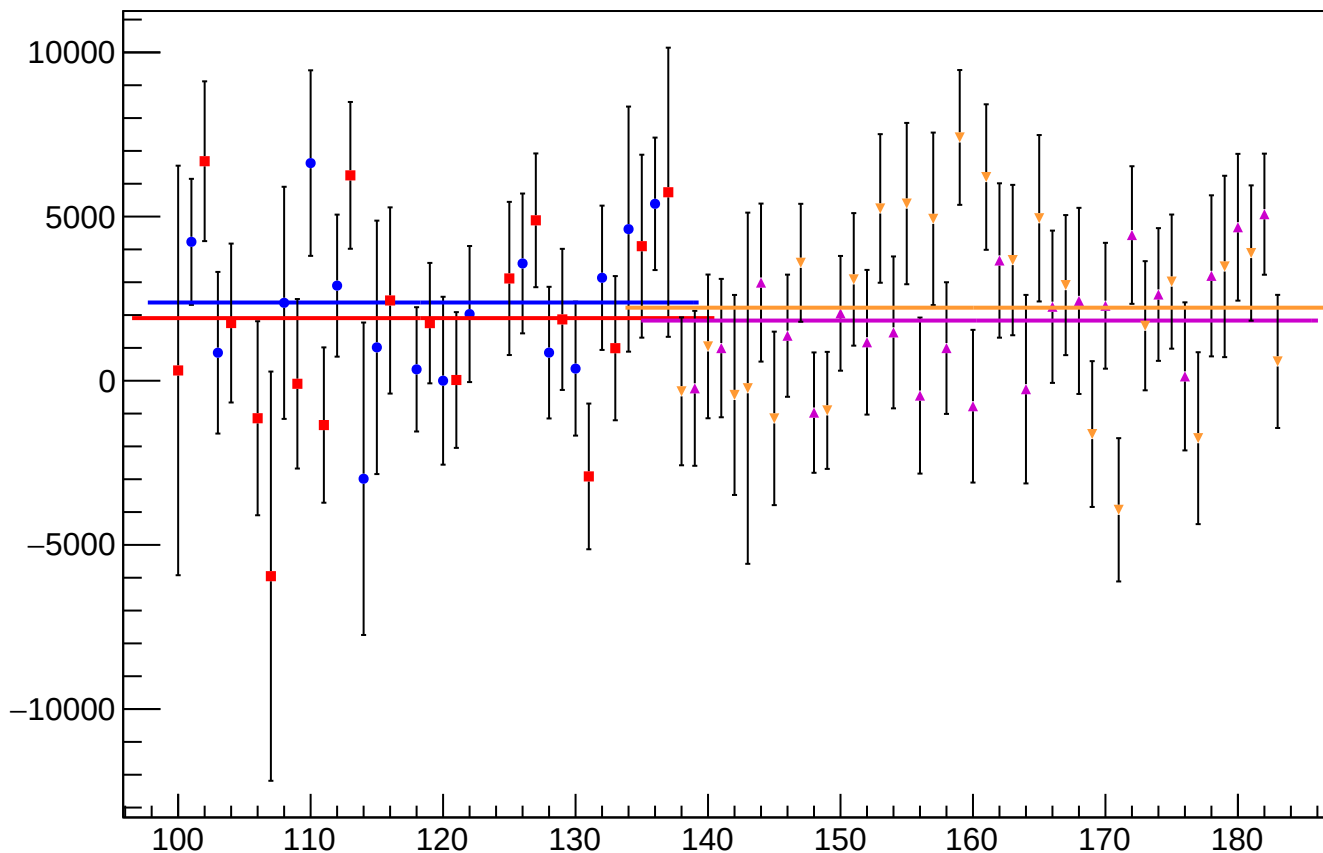
Right: 890.914+/-0.180 χ^2/NDF : 2461926.4/33

In: 1182.559+/-0.181 χ^2/NDF : 4774633.2/37

Out: 1197.277+/-0.179 χ^2/NDF : 5349230.6/41

All: 1190.001+/-0.127 χ^2/NDF : 10127196.3/77

asym_usl_mean vs Slug, Sign Corrected



Right In: 2382.736 $\pm$ 590.698 χ^2 /NDF: 11.6/15

Left Out: 2224.825 $\pm$ 459.243 χ^2 /NDF:38.8/23

Right Out: 1906.871 $\pm$ 584.955 χ^2 /NDF: 22.4/17

Left In: 1832.640 $\pm$ 460.799 χ^2 /NDF:14.6/21

Left: 2029.396 $\pm$ 325.282 χ^2 /NDF: 53.7/45

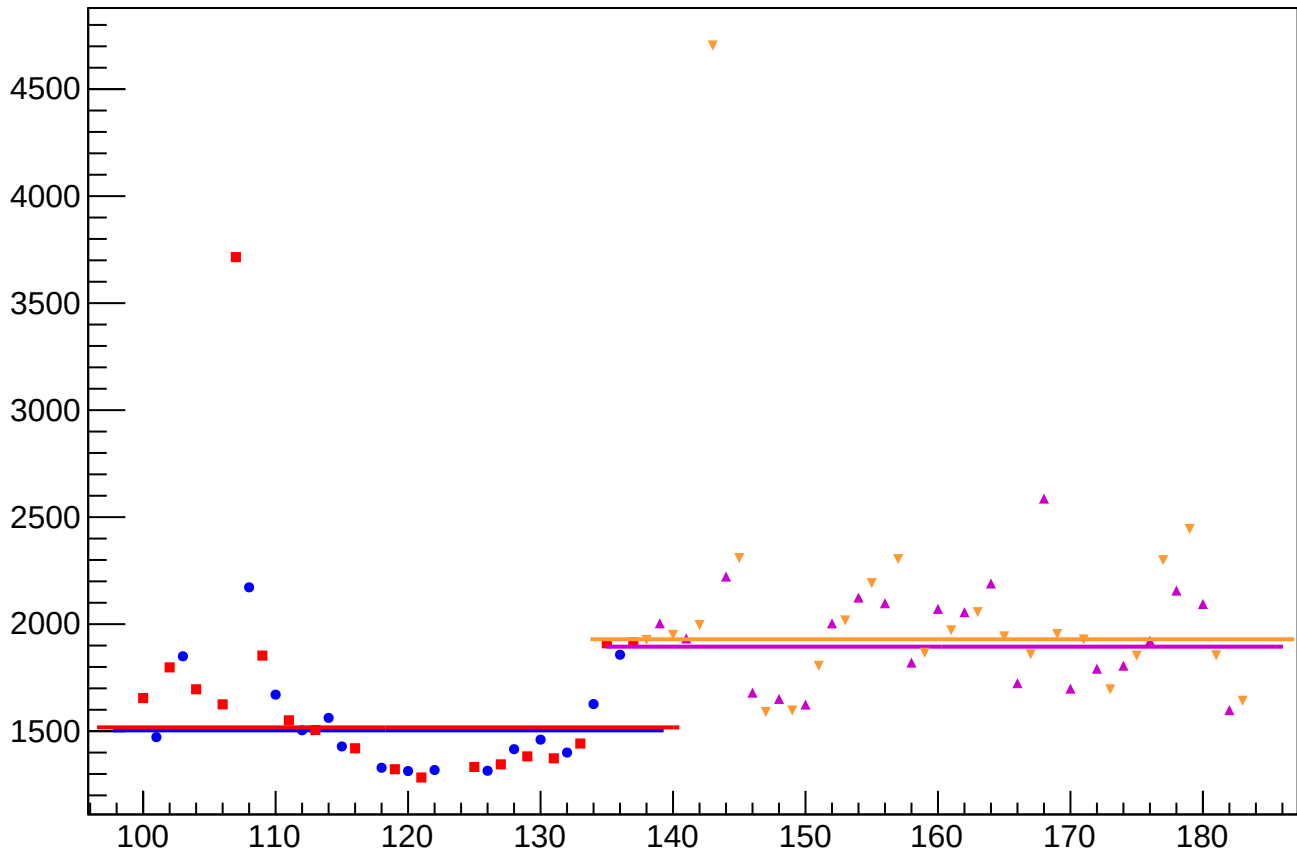
Right: 2142.479 $\pm$ 415.641 χ^2 /NDF: 34.4/33

In: 2040.752 $\pm$ 363.325 χ^2 /NDF:26.8/37

Out: 2103.580 $\pm$ 361.220 χ^2 /NDF:61.4/41

All: 2072.349 $\pm$ 256.162 χ^2 /NDF: 88.2/79

asym_usl_rms vs Slug, Sign Corrected



Right In: 1503.676 $\pm$ 0.418 χ^2 /NDF: 252138.4/15

Left Out: 1929.471 $\pm$ 0.325 χ^2 /NDF: 990424.0/23

Right Out: 1517.693 $\pm$ 0.414 χ^2 /NDF: 476469.5/17

Left In: 1894.788 $\pm$ 0.326 χ^2 /NDF: 486379.1/21

Left: 1912.188 $\pm$ 0.230 χ^2 /NDF: 1482487.3/45

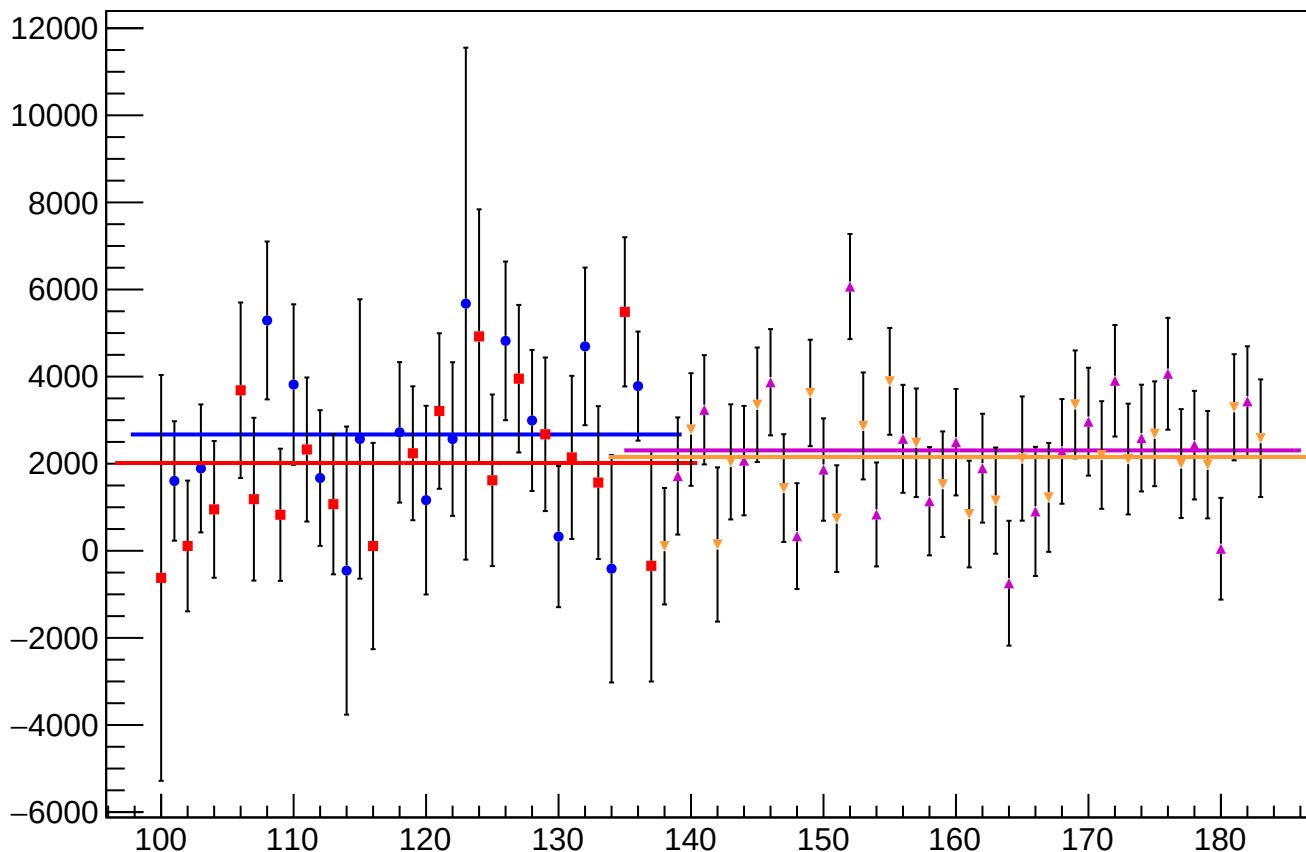
Right: 1510.753 $\pm$ 0.294 χ^2 /NDF: 729176.4/33

In: 1746.823 $\pm$ 0.257 χ^2 /NDF: 1283607.7/37

Out: 1772.448 $\pm$ 0.255 χ^2 /NDF: 2080048.5/41

All: 1759.710 $\pm$ 0.181 χ^2 /NDF: 3368659.7/79

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2671.295 $\pm$ 434.567 χ^2/NDF : 12.4/16

Left Out: 2154.232 $\pm$ 259.296 χ^2/NDF : 15.0/23

Right Out: 2016.229 $\pm$ 420.147 χ^2/NDF : 12.8/18

Left In: 2305.648 $\pm$ 266.685 χ^2/NDF : 31.2/21

Left: 2227.813 $\pm$ 185.907 χ^2/NDF : 46.4/45

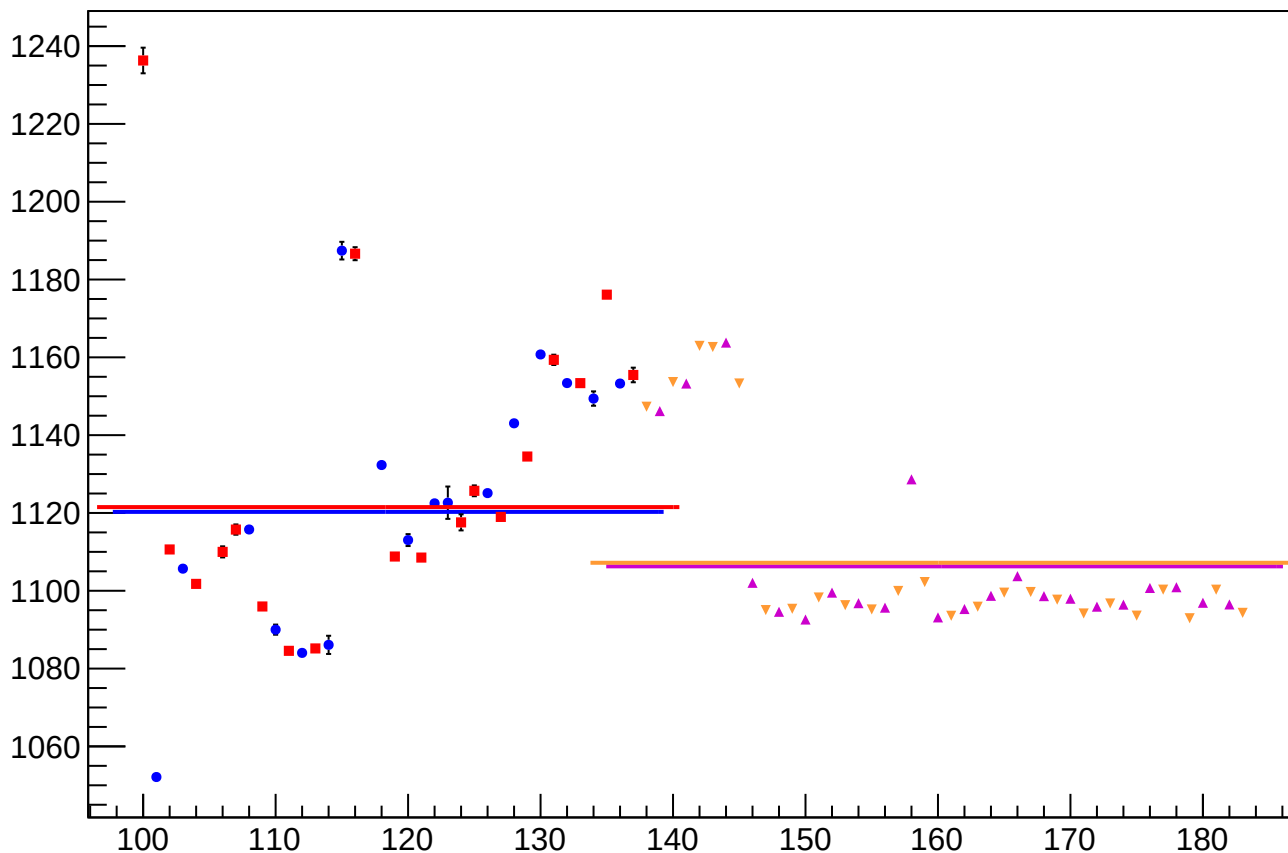
Right: 2332.714 $\pm$ 302.058 χ^2/NDF : 26.4/35

In: 2405.680 $\pm$ 227.297 χ^2/NDF : 44.1/38

Out: 2116.167 $\pm$ 220.657 χ^2/NDF : 27.9/42

All: 2256.633 $\pm$ 158.324 χ^2/NDF : 72.9/81

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1120.277 $\pm$ 0.307 χ^2 /NDF: 11962.7/16

Left Out: 1107.198 $\pm$ 0.183 χ^2 /NDF:15132.4/23

Right Out: 1121.507 $\pm$ 0.297 χ^2 /NDF: 10014.9/18

Left In: 1106.277 $\pm$ 0.189 χ^2 /NDF:11419.8/21

Left: 1106.750 $\pm$ 0.131 χ^2 /NDF: 26564.5/45

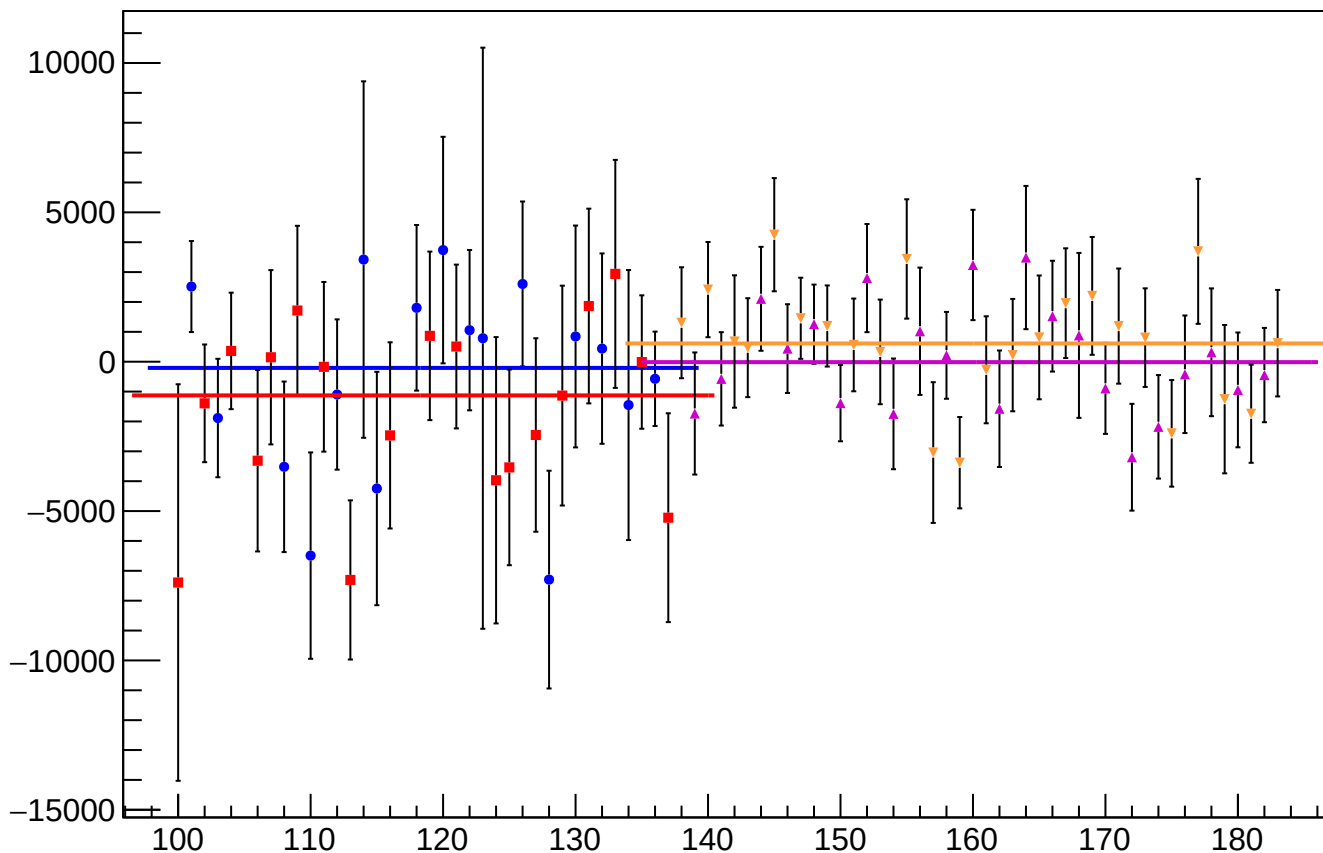
Right: 1120.913 $\pm$ 0.214 χ^2 /NDF: 21985.9/35

In: 1110.107 $\pm$ 0.161 χ^2 /NDF:24890.4/38

Out: 1111.145 $\pm$ 0.156 χ^2 /NDF:26827.4/42

All: 1110.641 $\pm$ 0.112 χ^2 /NDF: 51739.3/81

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -207.352 $\pm$ 656.632 χ^2 /NDF: 17.0/16

Left Out: 610.718 $\pm$ 363.608 χ^2 /NDF: 25.6/23

Right Out: -1127.444 $\pm$ 663.569 χ^2 /NDF: 14.4/18

Left In: -13.902 $\pm$ 370.595 χ^2 /NDF: 20.1/21

Left: 304.351 $\pm$ 259.544 χ^2 /NDF: 47.2/45

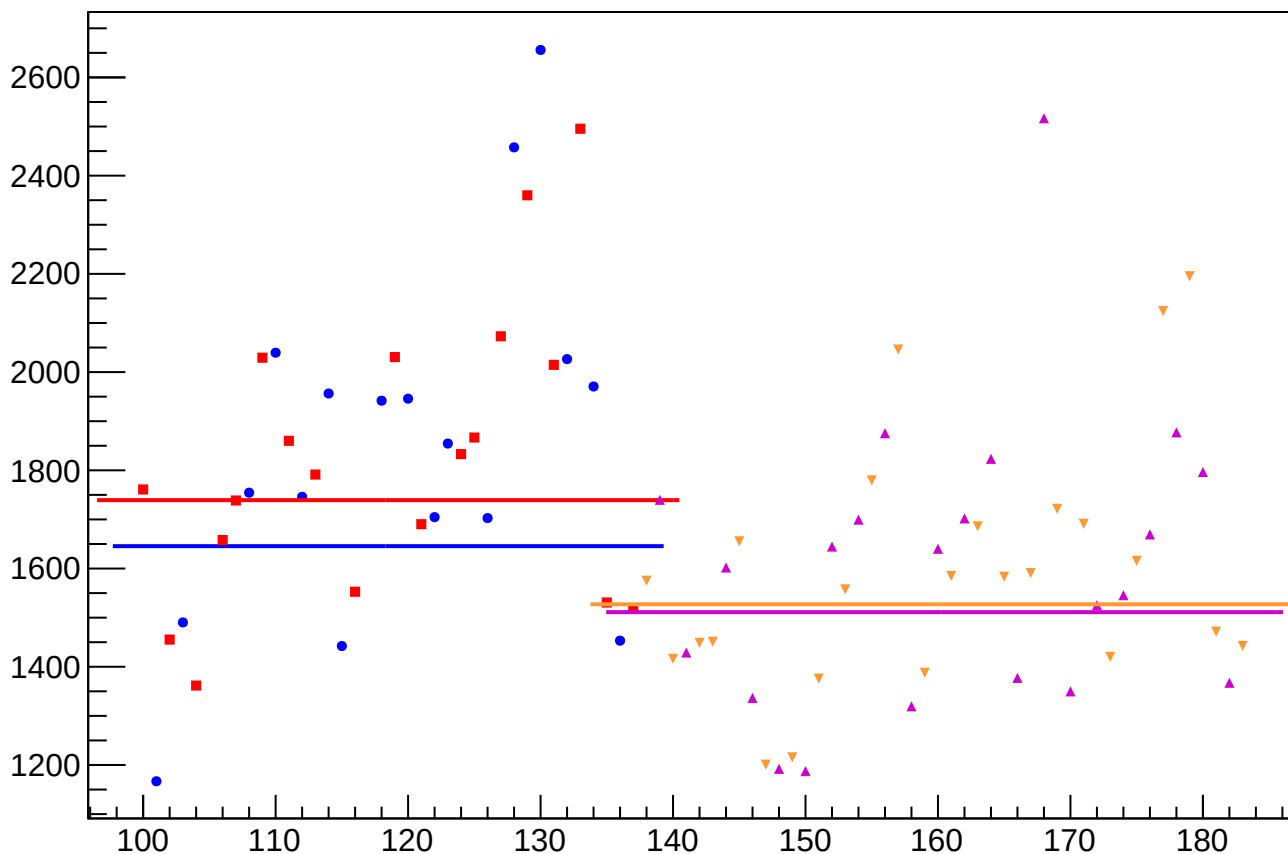
Right: -662.564 $\pm$ 466.742 χ^2 /NDF: 32.4/35

In: -60.636 $\pm$ 322.741 χ^2 /NDF: 37.3/38

Out: 209.339 $\pm$ 318.874 χ^2 /NDF: 45.3/42

All: 75.979 $\pm$ 226.833 χ^2 /NDF: 82.9/81

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1645.579 $\pm$ 0.464 χ^2 /NDF: 606697.8/16

Left Out: 1527.193 $\pm$ 0.257 χ^2 /NDF: 753058.9/23

Right Out: 1739.254 $\pm$ 0.469 χ^2 /NDF: 372578.2/18

Left In: 1511.179 $\pm$ 0.262 χ^2 /NDF: 926790.4/21

Left: 1519.338 $\pm$ 0.184 χ^2 /NDF: 1681752.0/45

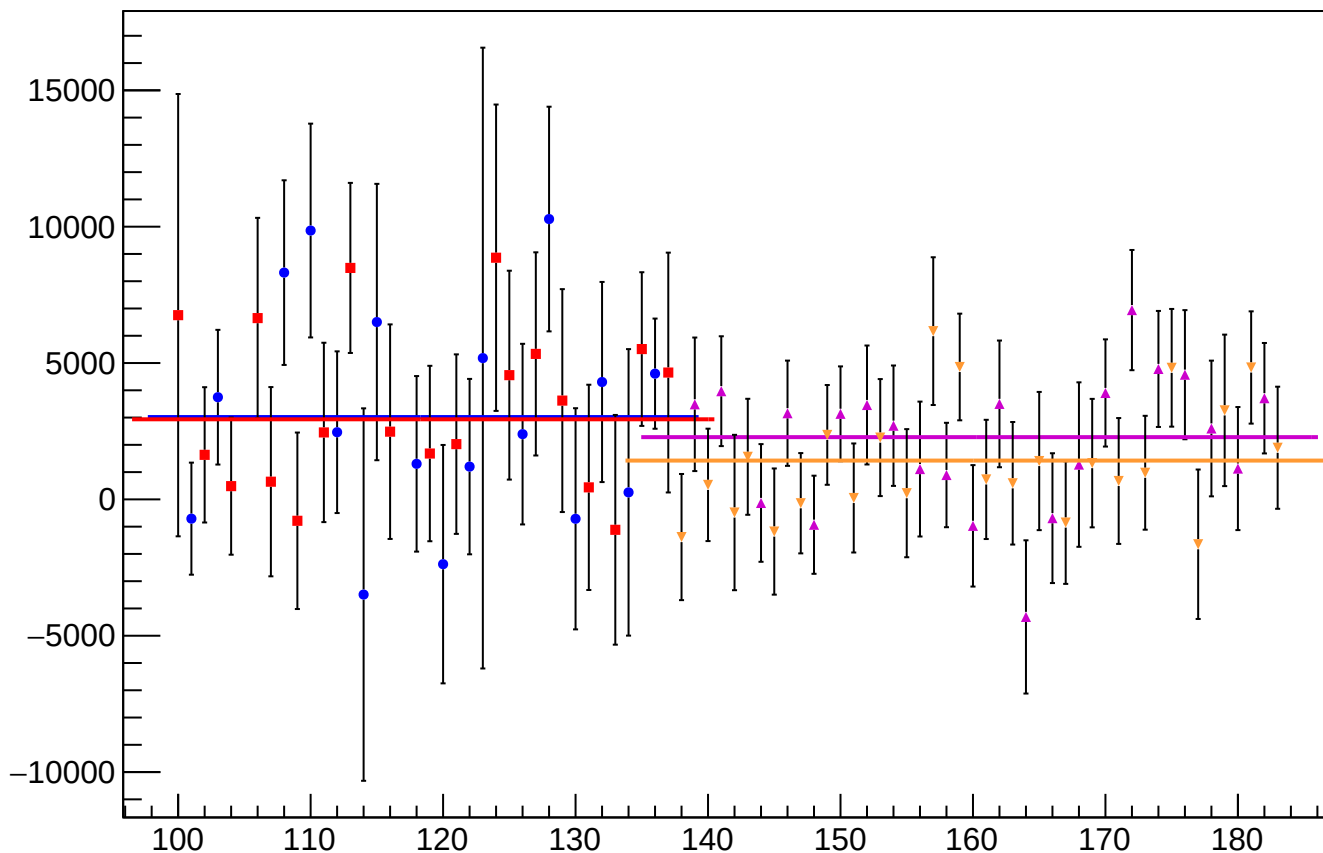
Right: 1691.924 $\pm$ 0.330 χ^2 /NDF: 999414.1/35

In: 1543.647 $\pm$ 0.228 χ^2 /NDF: 1597034.8/38

Out: 1576.162 $\pm$ 0.225 χ^2 /NDF: 1282728.0/42

All: 1560.101 $\pm$ 0.160 χ^2 /NDF: 2890034.9/81

asym_usr_mean vs Slug, Sign Corrected



Right In: 3018.495 $\pm$ 804.013 χ^2 /NDF: 17.5/16

Left Out: 1423.150 $\pm$ 453.351 χ^2 /NDF:19.8/23

Right Out: 2936.563 $\pm$ 797.151 χ^2 /NDF: 11.7/18

Left In: 2282.342 $\pm$ 463.546 χ^2 /NDF:24.7/21

Left: 1843.194 $\pm$ 324.112 χ^2 /NDF: 46.3/45

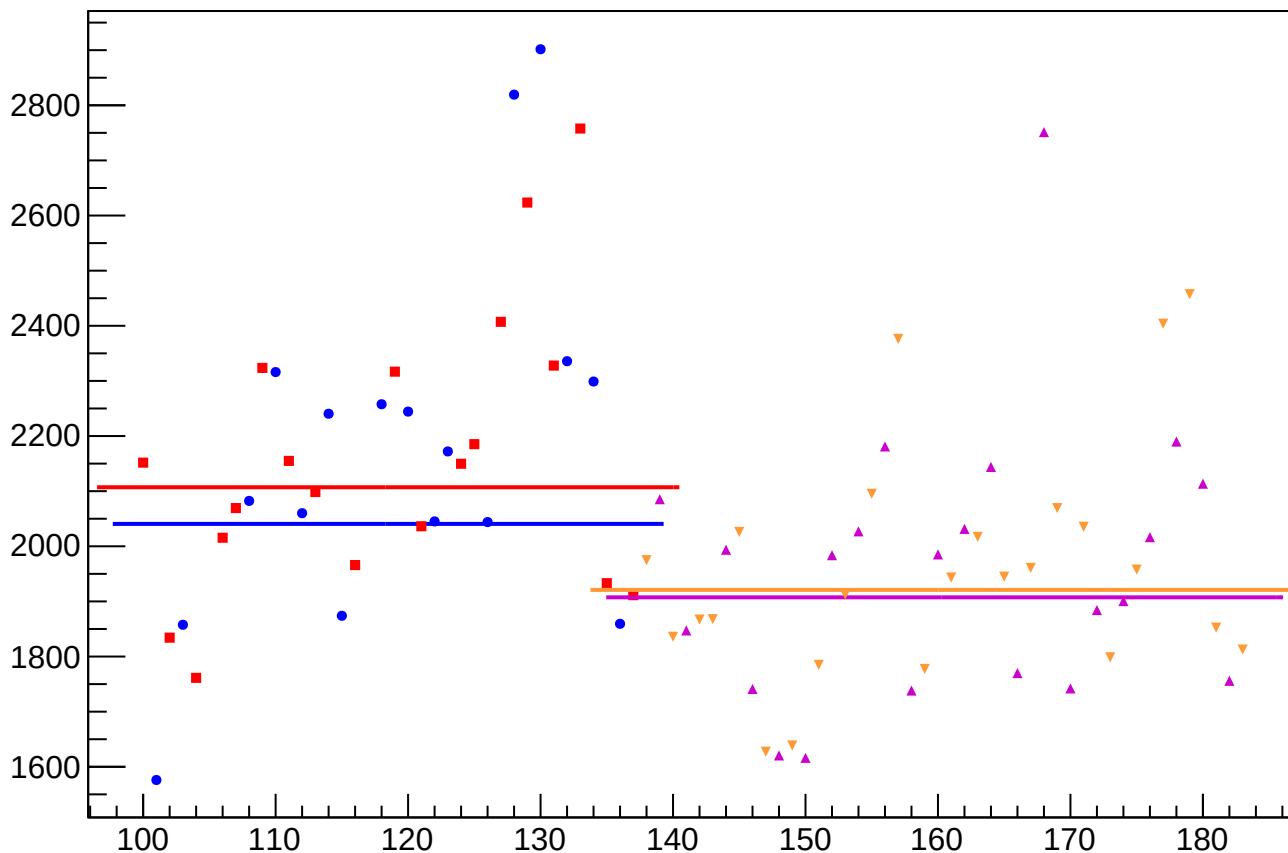
Right: 2977.178 $\pm$ 566.082 χ^2 /NDF: 29.2/35

In: 2465.993 $\pm$ 401.584 χ^2 /NDF:42.8/38

Out: 1793.015 $\pm$ 394.079 χ^2 /NDF:34.2/42

All: 2123.157 $\pm$ 281.272 χ^2 /NDF: 78.5/81

asym_usr_rms vs Slug, Sign Corrected



Right In: 2040.634 $\pm$ 0.569 χ^2 /NDF: 336565.5/16

Left Out: 1920.925 $\pm$ 0.321 χ^2 /NDF:365281.7/23

Right Out: 2107.120 $\pm$ 0.564 χ^2 /NDF: 197006.9/18

Left In: 1907.409 $\pm$ 0.328 χ^2 /NDF:443632.3/21

Left: 1914.317 $\pm$ 0.229 χ^2 /NDF: 809783.1/45

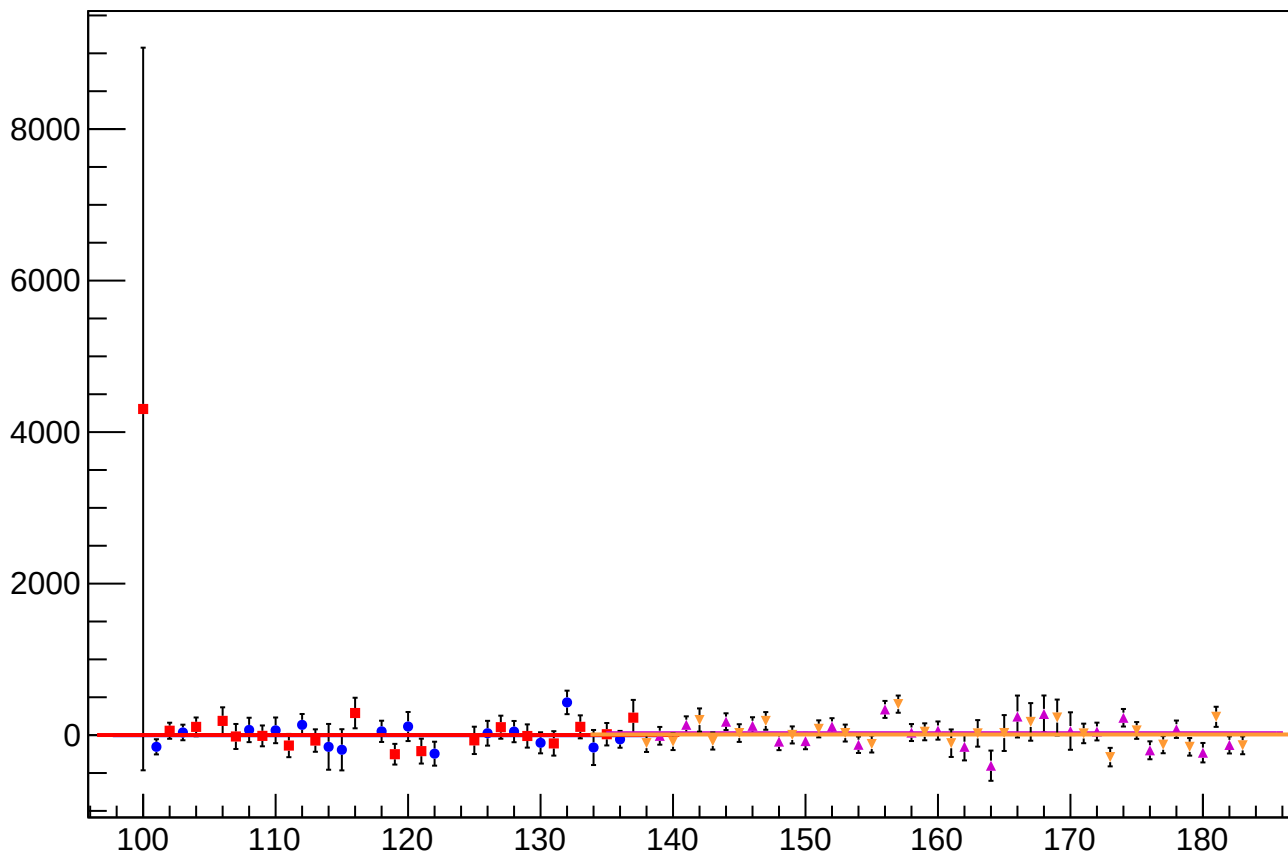
Right: 2074.162 $\pm$ 0.400 χ^2 /NDF: 540469.2/35

In: 1940.645 $\pm$ 0.284 χ^2 /NDF:821411.4/38

Out: 1966.430 $\pm$ 0.279 χ^2 /NDF:644736.9/42

All: 1953.781 $\pm$ 0.199 χ^2 /NDF: 1470348.7/81

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -0.770 ± 36.771 $\chi^2/\text{NDF}: 16.5/15$

Left Out: 8.668 ± 25.799 $\chi^2/\text{NDF}: 36.4/23$

Right Out: 1.460 ± 36.756 $\chi^2/\text{NDF}: 13.8/17$

Left In: 25.455 ± 26.628 $\chi^2/\text{NDF}: 36.4/21$

Left: 16.796 ± 18.529 $\chi^2/\text{NDF}: 73.0/45$

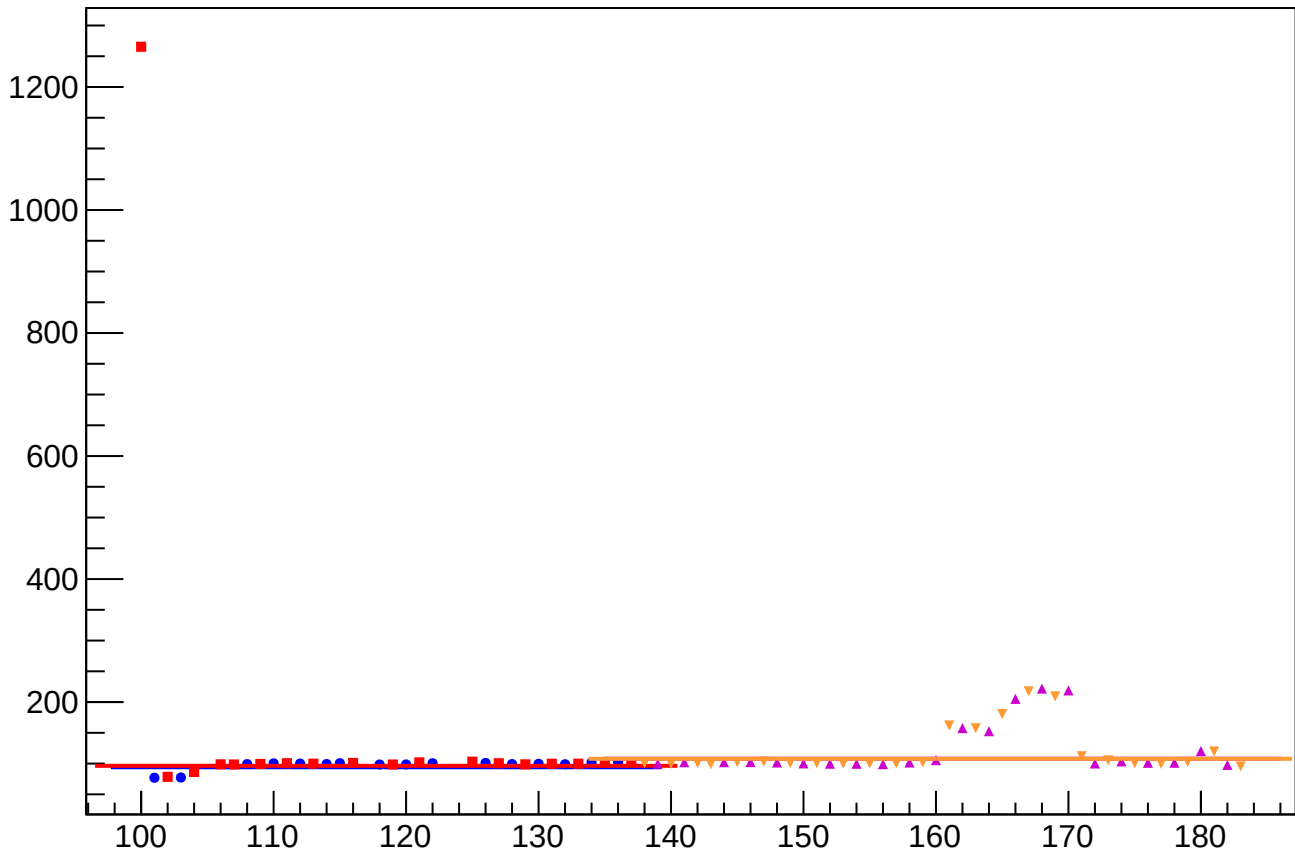
Right: 0.345 ± 25.996 $\chi^2/\text{NDF}: 30.3/33$

In: 16.434 ± 21.567 $\chi^2/\text{NDF}: 53.2/37$

Out: 6.289 ± 21.116 $\chi^2/\text{NDF}: 50.2/41$

All: 11.254 ± 15.088 $\chi^2/\text{NDF}: 103.5/79$

reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.047 $\pm$ 0.026 χ^2 /NDF: 152068.3/15

Left Out: 107.789 $\pm$ 0.018 χ^2 /NDF: 1440526.2/23

Right Out: 96.358 $\pm$ 0.026 χ^2 /NDF: 209109.4/17

Left In: 107.912 $\pm$ 0.019 χ^2 /NDF: 1483389.3/21

Left: 107.849 $\pm$ 0.013 χ^2 /NDF: 2923937.7/45

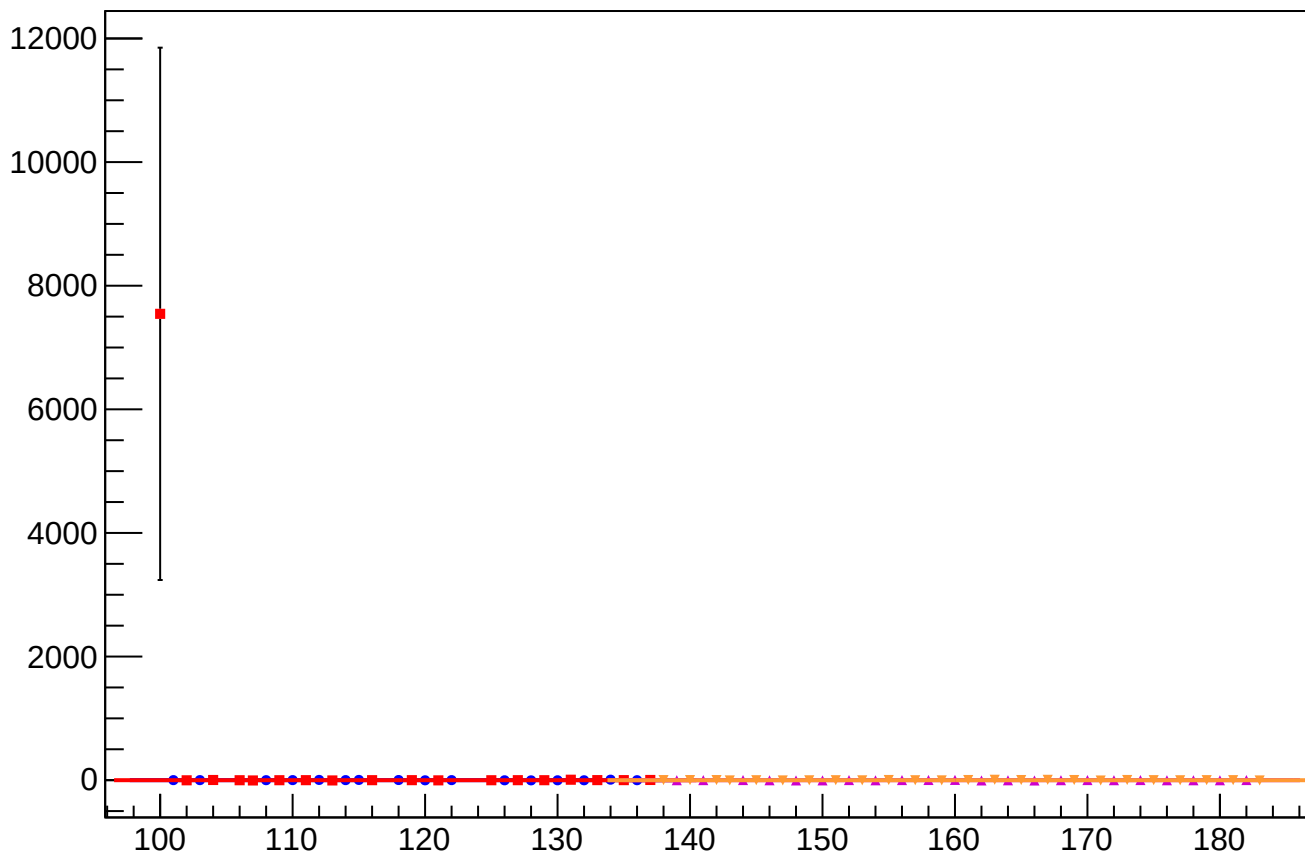
Right: 95.203 $\pm$ 0.018 χ^2 /NDF: 365129.1/33

In: 103.143 $\pm$ 0.015 χ^2 /NDF: 1821999.9/37

Out: 104.016 $\pm$ 0.015 χ^2 /NDF: 1779230.5/41

All: 103.589 $\pm$ 0.011 χ^2 /NDF: 3602905.3/79

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.390 ± 0.617 χ^2/NDF : 10.4/15

Left Out: -0.795 ± 0.462 χ^2/NDF : 33.8/23

Right Out: -0.344 ± 0.644 χ^2/NDF : 21.0/17

Left In: 0.001 ± 0.490 χ^2/NDF : 24.0/21

Left: -0.420 ± 0.336 χ^2/NDF : 59.2/45

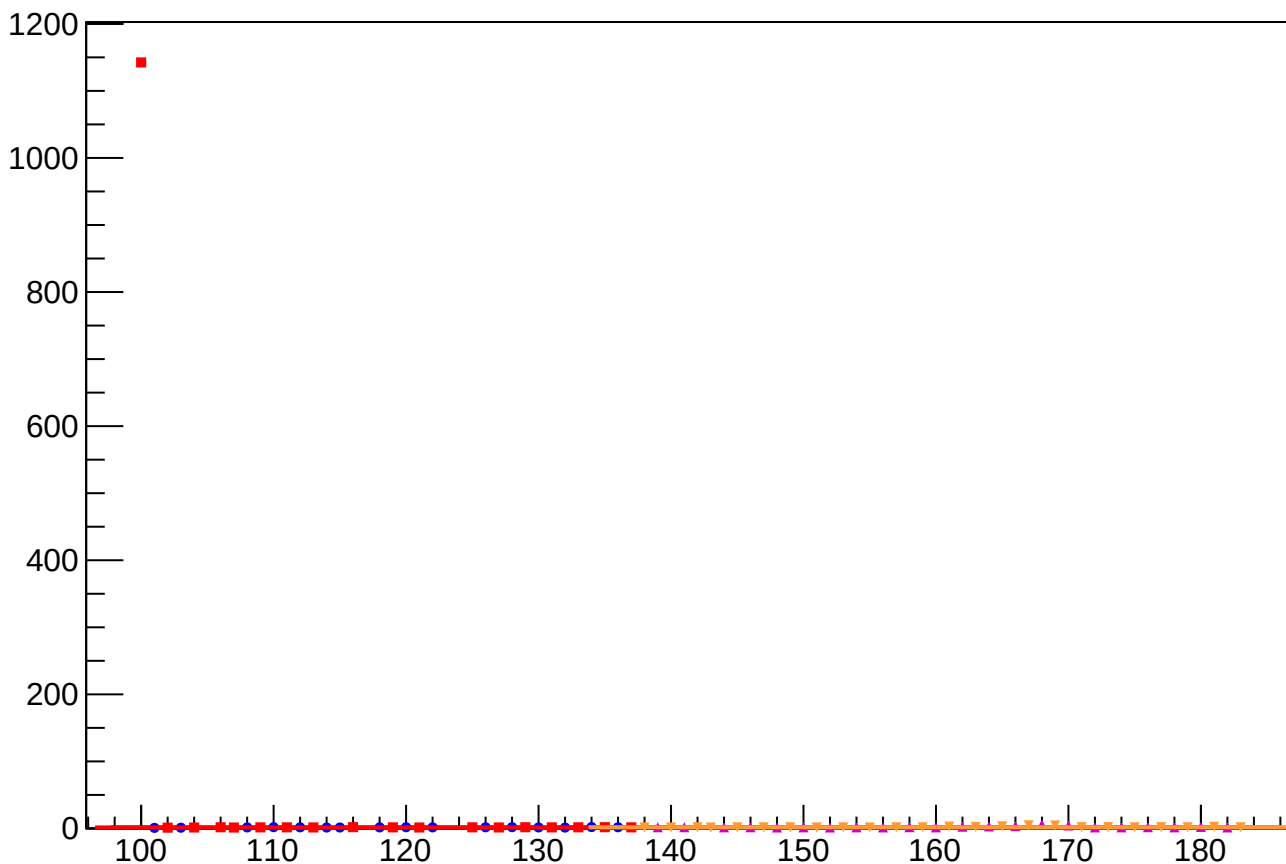
Right: 0.038 ± 0.445 χ^2/NDF : 32.1/33

In: 0.151 ± 0.384 χ^2/NDF : 34.7/37

Out: -0.642 ± 0.375 χ^2/NDF : 55.1/41

All: -0.254 ± 0.268 χ^2/NDF : 92.0/79

asym_dsl_correction_rms vs Slug, Sign Corrected



Right In: 1.420+/-0.000 χ^2/NDF : 713301.5/15

Left Out: 1.743+/-0.000 χ^2/NDF : 1676169.0/23

Right Out: 1.555+/-0.000 χ^2/NDF : 313943.5/17

Left In: 1.805+/-0.000 χ^2/NDF : 1919529.4/21

Left: 1.772+/-0.000 χ^2/NDF : 3612268.6/45

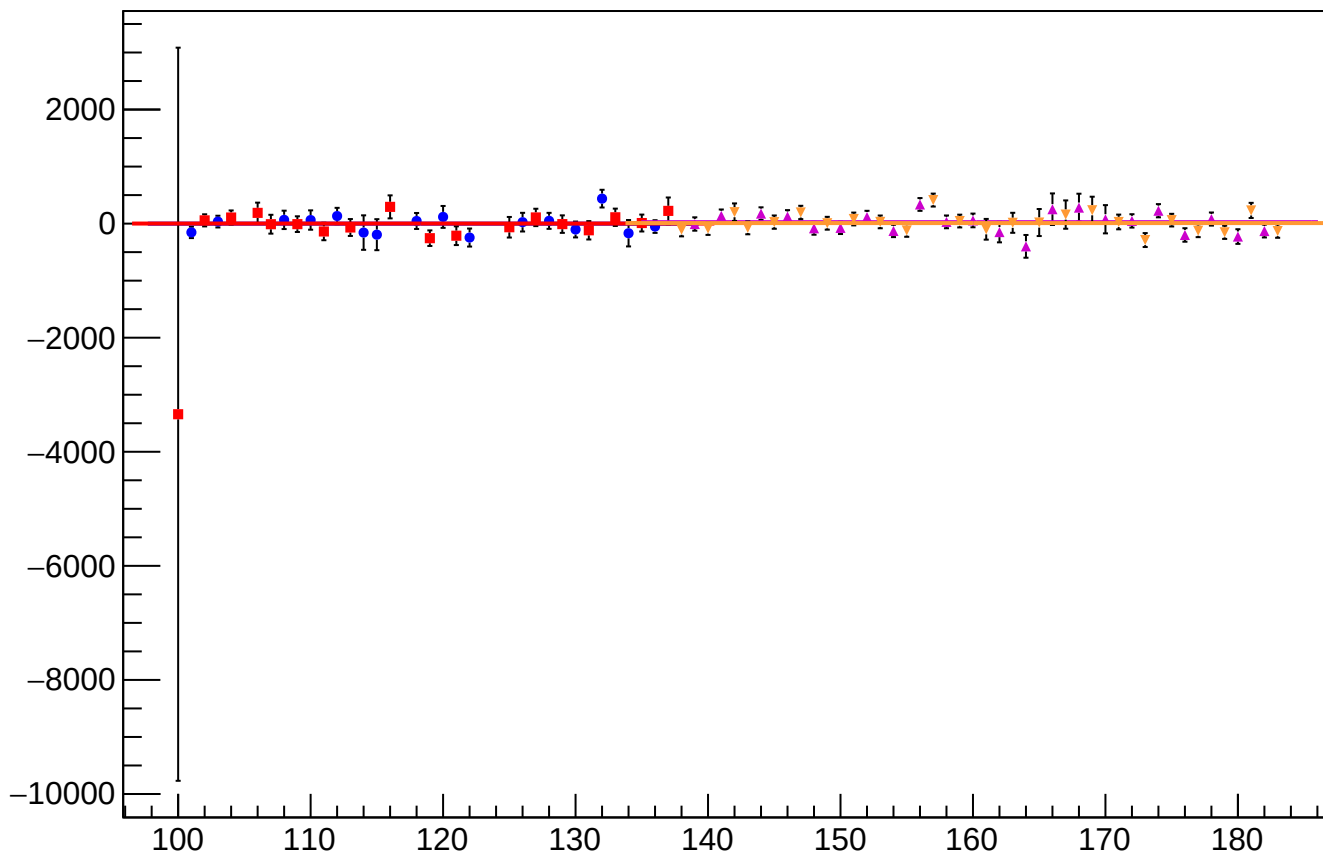
Right: 1.485+/-0.000 χ^2/NDF : 1073016.8/33

In: 1.656+/-0.000 χ^2/NDF : 3109402.9/37

Out: 1.679+/-0.000 χ^2/NDF : 2103091.3/41

All: 1.668+/-0.000 χ^2/NDF : 5216233.5/79

asym_dsl_mean vs Slug, Sign Corrected



Right In: -0.474 ± 36.781 χ^2/NDF : 16.7/15

Left Out: 9.443 ± 25.807 χ^2/NDF : 36.2/23

Right Out: 1.223 ± 36.766 χ^2/NDF : 13.3/17

Left In: 25.892 ± 26.636 χ^2/NDF : 35.7/21

Left: 17.408 ± 18.534 χ^2/NDF : 72.1/45

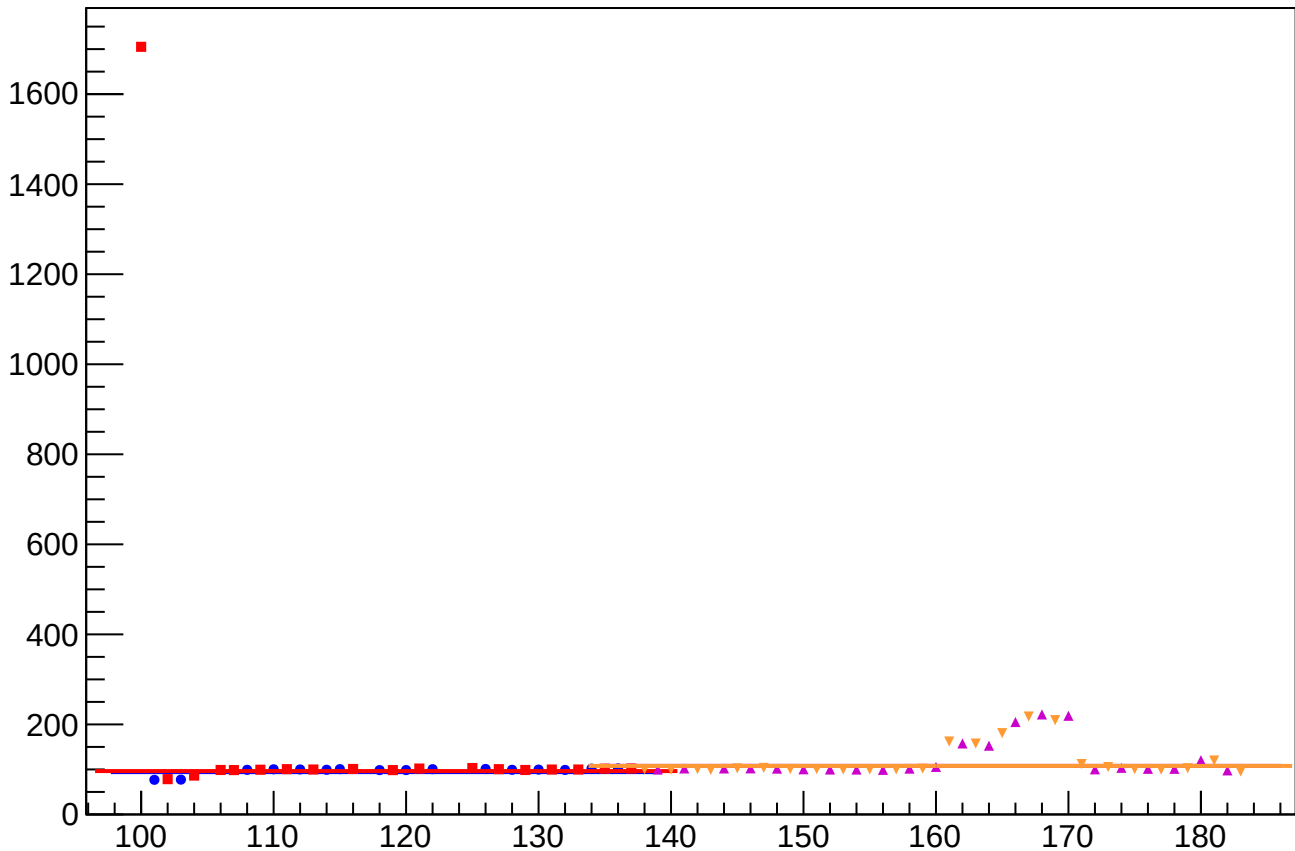
Right: 0.375 ± 26.003 χ^2/NDF : 30.0/33

In: 16.822 ± 21.573 χ^2/NDF : 52.7/37

Out: 6.730 ± 21.123 χ^2/NDF : 49.6/41

All: 11.669 ± 15.093 χ^2/NDF : 102.4/79

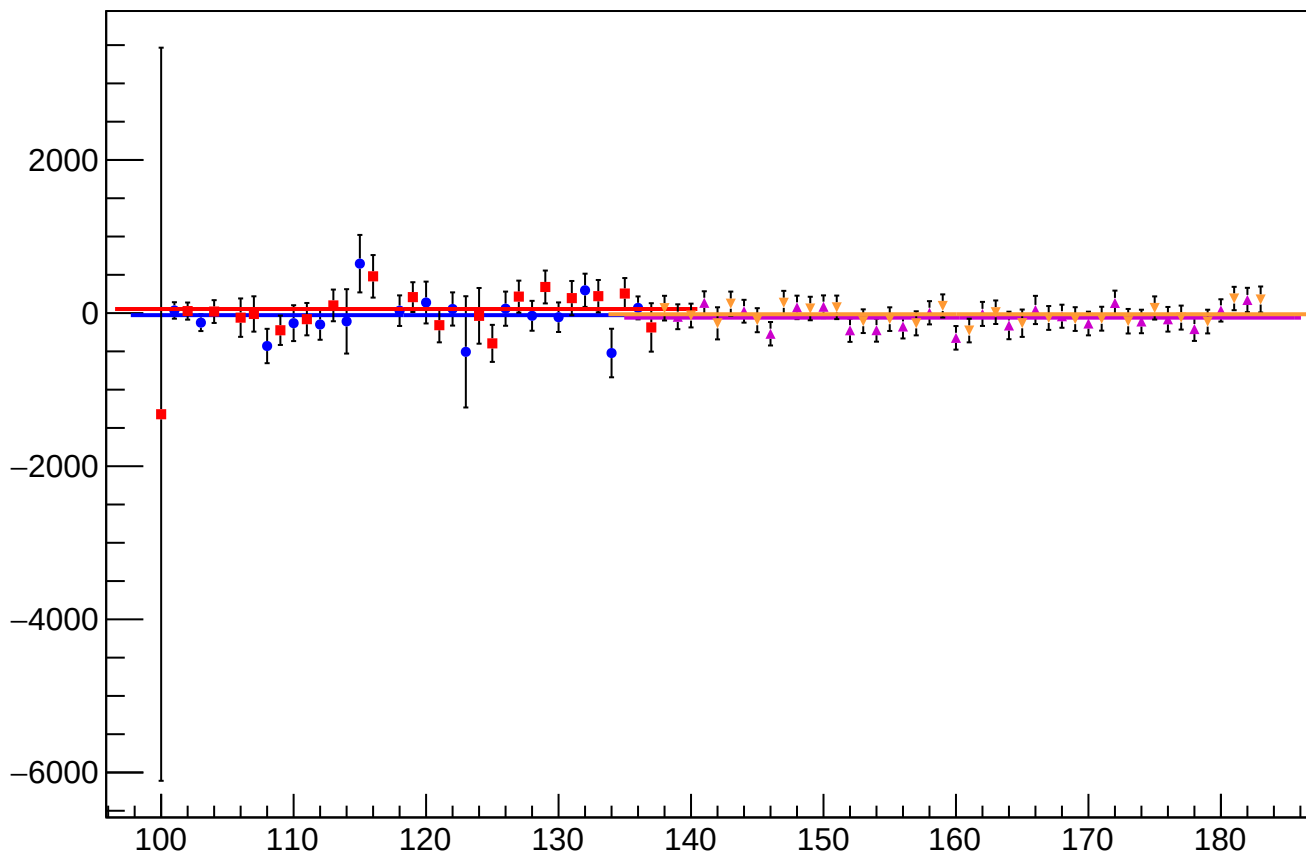
asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.071+/-0.026 χ^2/NDF : 152087.2/15
 Left Out: 107.820+/-0.018 χ^2/NDF : 1441926.5/23
 Right Out: 96.367+/-0.026 χ^2/NDF : 214243.8/17
 Left In: 107.943+/-0.019 χ^2/NDF : 1484691.6/21

Left: 107.880+/-0.013 χ^2/NDF : 2926640.3/45
 Right: 95.220+/-0.018 χ^2/NDF : 370227.5/33
 In: 103.171+/-0.015 χ^2/NDF : 1823395.7/37
 Out: 104.039+/-0.015 χ^2/NDF : 1786183.6/41
 All: 103.614+/-0.011 χ^2/NDF : 3611233.8/79

reg_asym_dsr_mean vs Slug, Sign Corrected



Right In: -26.797 ± 46.841 χ^2/NDF : 14.4/16

Left Out: -15.098 ± 32.279 χ^2/NDF : 11.6/23

Right Out: 53.384 ± 47.775 χ^2/NDF : 15.4/18

Left In: -59.688 ± 33.218 χ^2/NDF : 17.5/21

Left: -36.754 ± 23.149 χ^2/NDF : 30.1/45

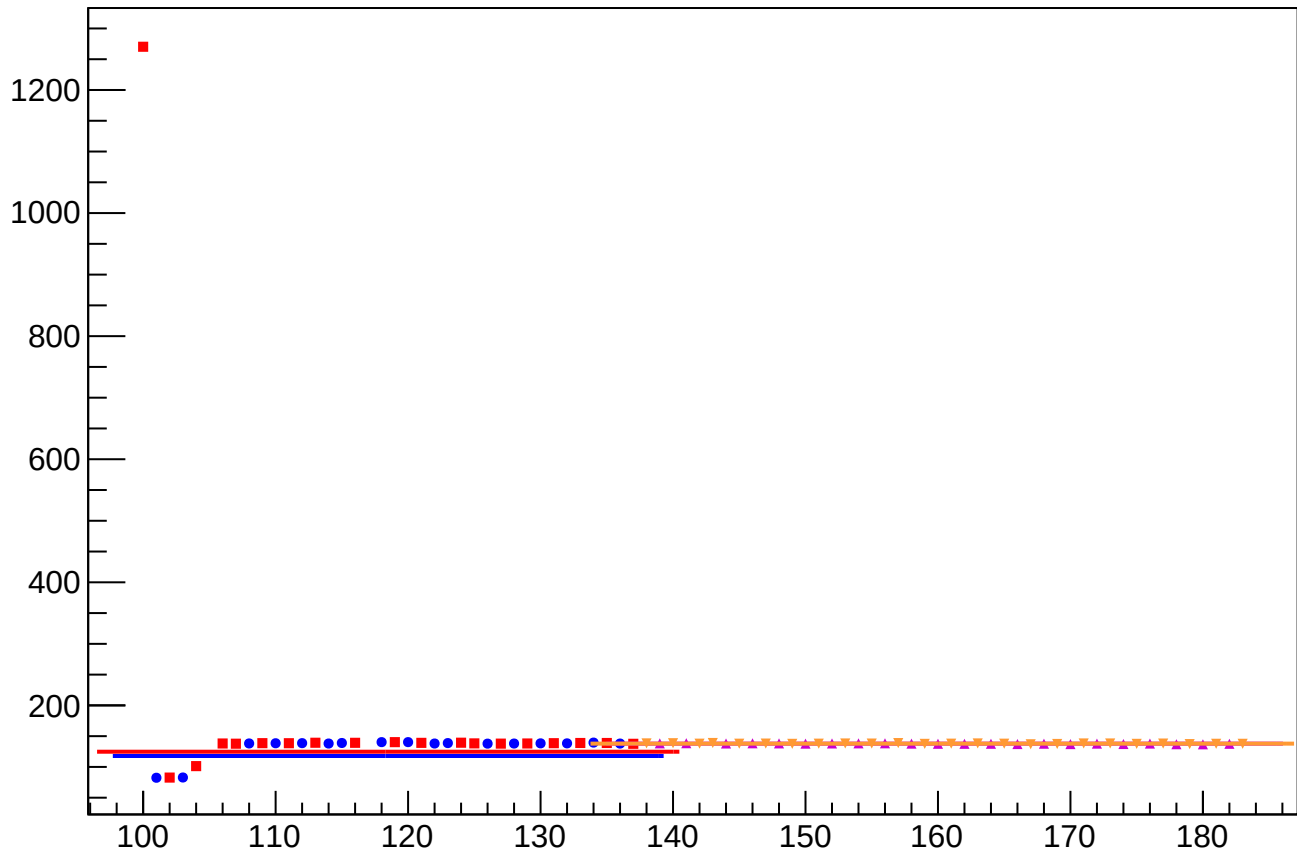
Right: 12.502 ± 33.447 χ^2/NDF : 31.3/35

In: -48.682 ± 27.096 χ^2/NDF : 32.3/38

Out: 6.366 ± 26.746 χ^2/NDF : 28.5/42

All: -20.801 ± 19.035 χ^2/NDF : 62.8/81

reg_asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.762 $\pm$ 0.033 χ^2 /NDF: 665636.8/16

Left Out: 137.852 $\pm$ 0.023 χ^2 /NDF: 440.5/23

Right Out: 124.724 $\pm$ 0.034 χ^2 /NDF: 569285.6/18

Left In: 137.810 $\pm$ 0.023 χ^2 /NDF: 456.5/21

Left: 137.832 $\pm$ 0.016 χ^2 /NDF: 898.6/45

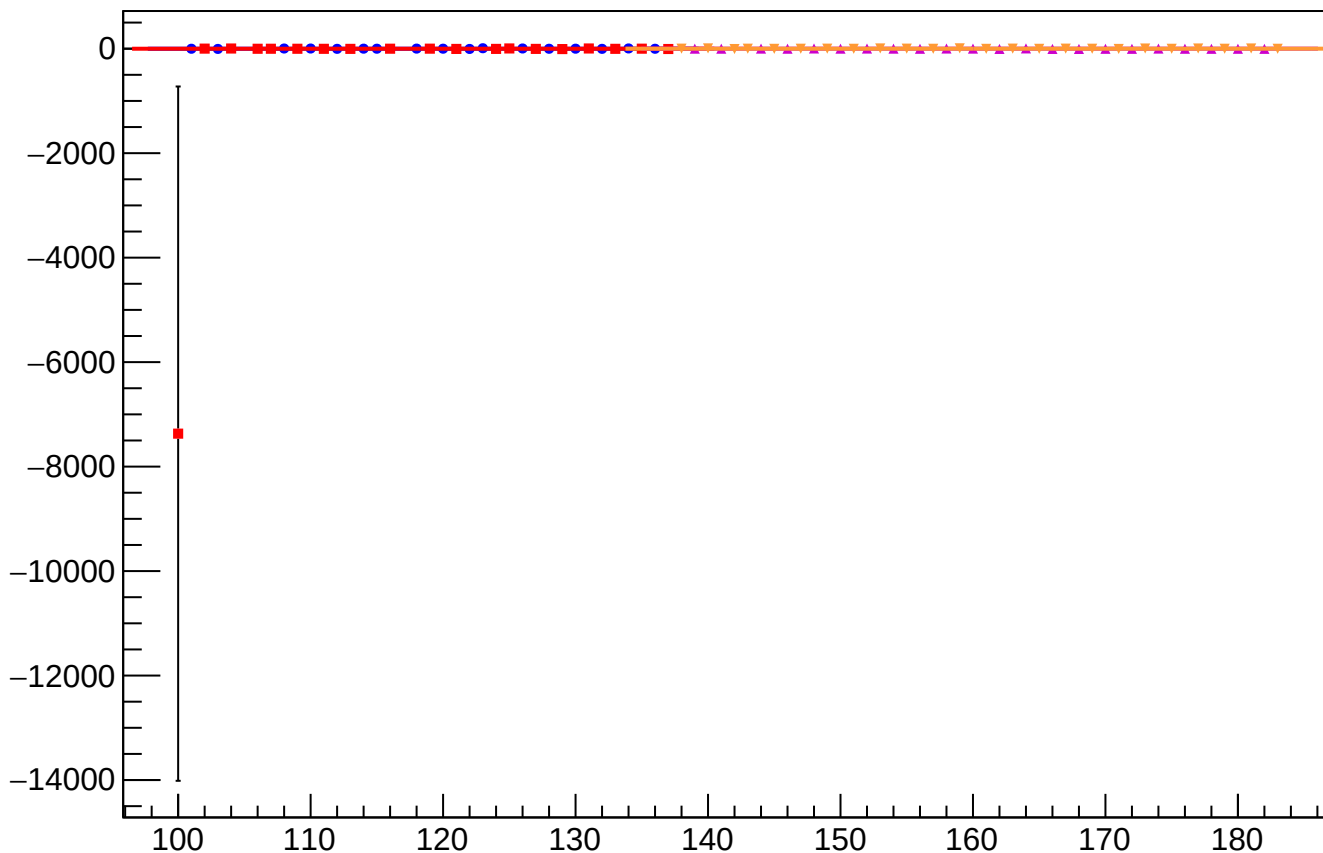
Right: 121.174 $\pm$ 0.024 χ^2 /NDF: 1256581.1/35

In: 131.101 $\pm$ 0.019 χ^2 /NDF: 909882.7/38

Out: 133.737 $\pm$ 0.019 χ^2 /NDF: 673408.1/42

All: 132.437 $\pm$ 0.013 χ^2 /NDF: 1592876.8/81

asym_dsr_correction_mean vs Slug, Sign Corrected



Right In: -0.719 ± 0.810 χ^2/NDF : 12.2/16

Left Out: 0.454 ± 0.575 χ^2/NDF : 28.5/23

Right Out: -0.638 ± 0.852 χ^2/NDF : 14.7/18

Left In: 0.205 ± 0.583 χ^2/NDF : 19.2/21

Left: 0.331 ± 0.409 χ^2/NDF : 47.9/45

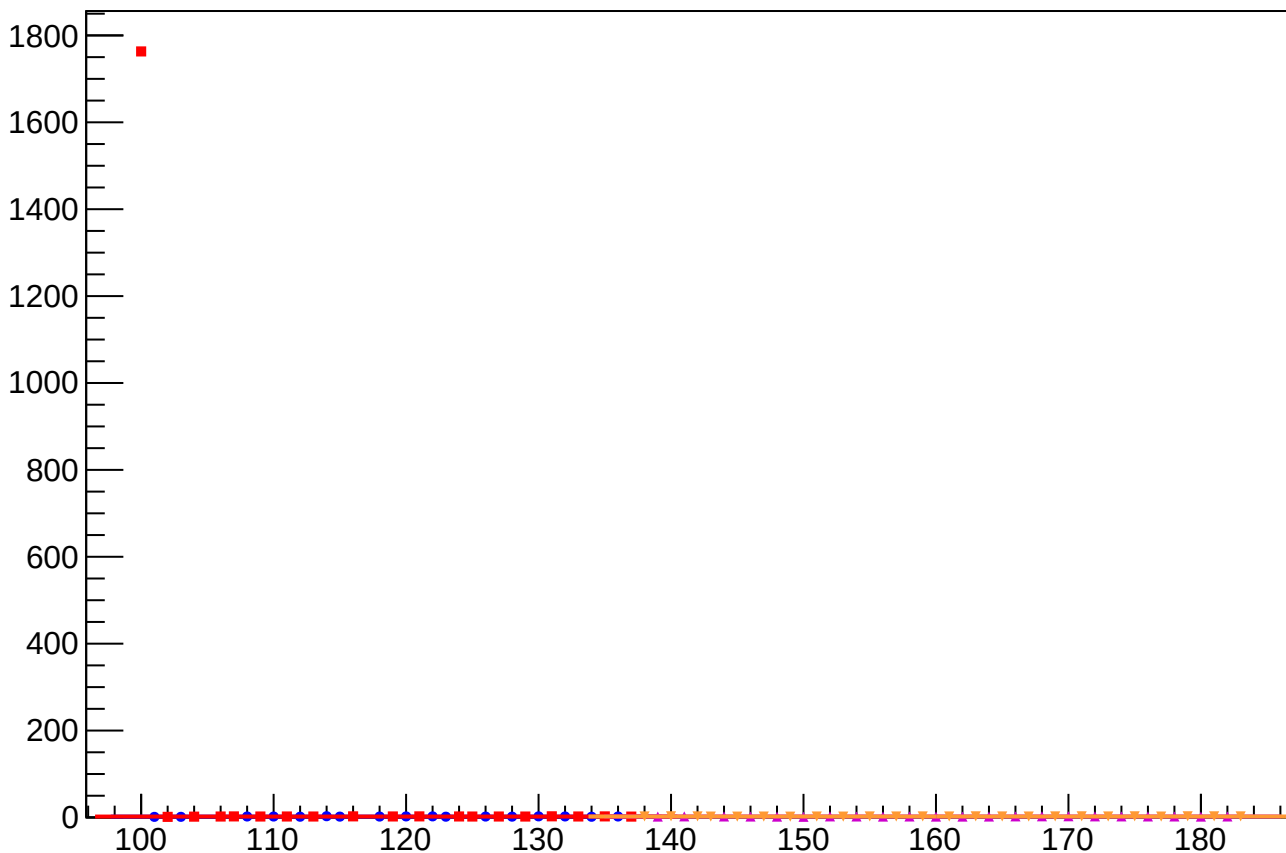
Right: -0.681 ± 0.587 χ^2/NDF : 26.9/35

In: -0.111 ± 0.473 χ^2/NDF : 32.3/38

Out: 0.112 ± 0.477 χ^2/NDF : 44.4/42

All: -0.000 ± 0.336 χ^2/NDF : 76.8/81

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.865 $\pm$ 0.001 χ^2 /NDF: 489750.7/16

Left Out: 2.257 $\pm$ 0.000 χ^2 /NDF: 356328.3/23

Right Out: 2.064 $\pm$ 0.001 χ^2 /NDF: 521829.5/18

Left In: 2.191 $\pm$ 0.000 χ^2 /NDF: 509034.2/21

Left: 2.224 $\pm$ 0.000 χ^2 /NDF: 878305.4/45

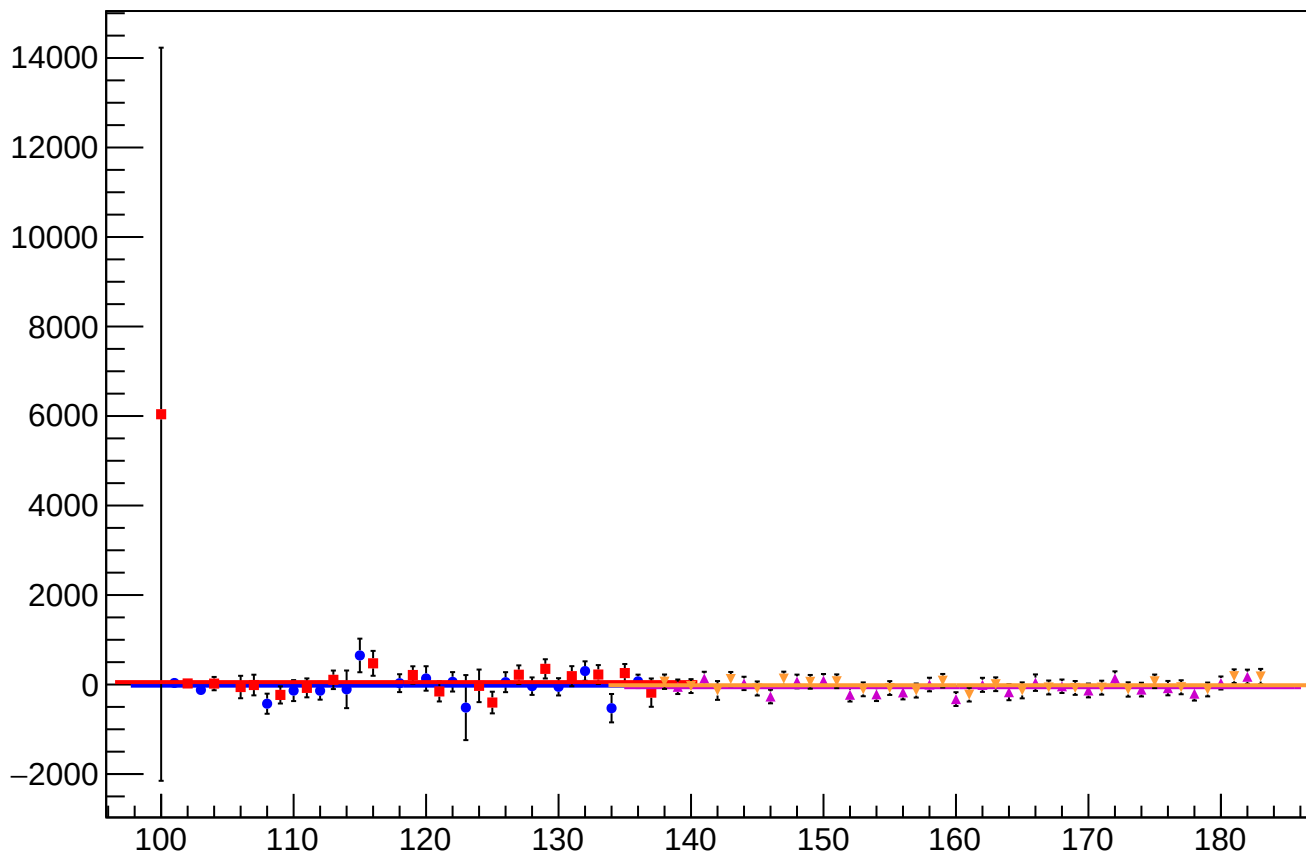
Right: 1.959 $\pm$ 0.000 χ^2 /NDF: 1068448.1/35

In: 2.080 $\pm$ 0.000 χ^2 /NDF: 1211407.2/38

Out: 2.196 $\pm$ 0.000 χ^2 /NDF: 948693.2/42

All: 2.137 $\pm$ 0.000 χ^2 /NDF: 2220434.8/81

asym_dsr_mean vs Slug, Sign Corrected



Right In: -25.059+/-46.854 χ^2/NDF : 14.5/16

Left Out: -15.639+/-32.288 χ^2/NDF : 11.4/23

Right Out: 54.286+/-47.789 χ^2/NDF : 16.1/18

Left In: -59.575+/-33.227 χ^2/NDF : 17.6/21

Left: -36.977+/-23.156 χ^2/NDF : 29.9/45

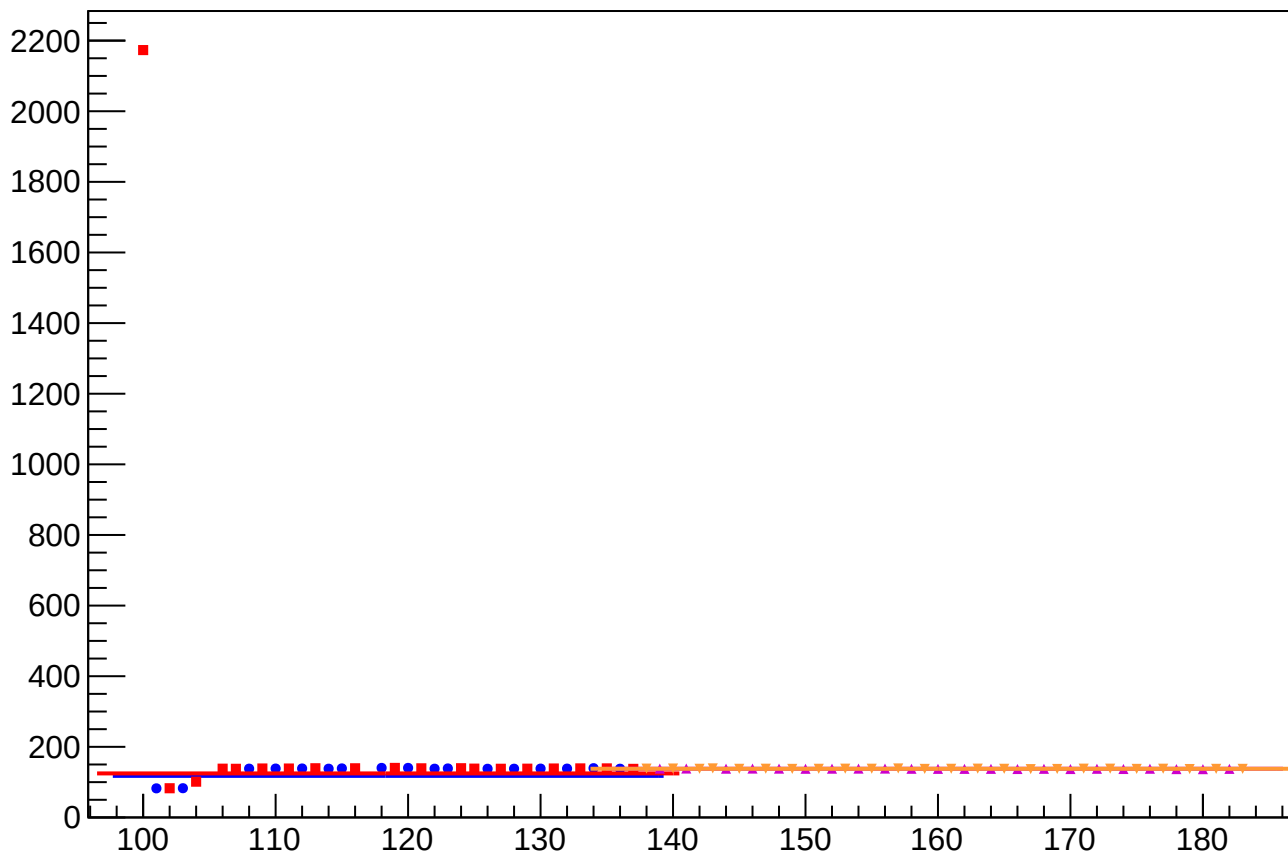
Right: 13.829+/-33.456 χ^2/NDF : 32.0/35

In: -48.025+/-27.103 χ^2/NDF : 32.4/38

Out: 6.277+/-26.754 χ^2/NDF : 29.0/42

All: -20.522+/-19.040 χ^2/NDF : 63.4/81

asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.793+/-0.033 χ^2/NDF : 665675.4/16

Left Out: 137.890+/-0.023 χ^2/NDF : 437.7/23

Right Out: 124.713+/-0.034 χ^2/NDF : 579862.1/18

Left In: 137.849+/-0.023 χ^2/NDF : 453.5/21

Left: 137.870+/-0.016 χ^2/NDF : 892.8/45

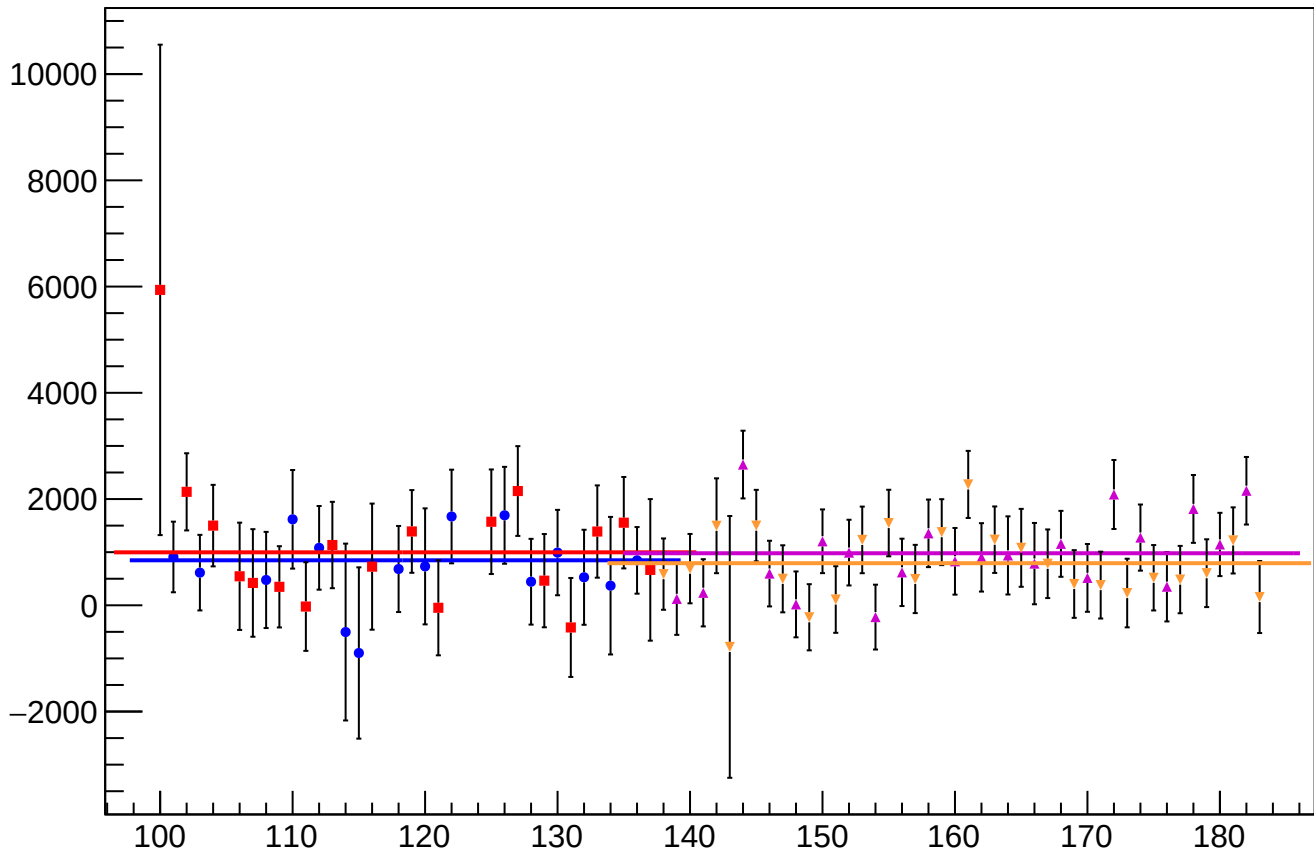
Right: 121.185+/-0.024 χ^2/NDF : 1266918.2/35

In: 131.138+/-0.019 χ^2/NDF : 909954.7/38

Out: 133.760+/-0.019 χ^2/NDF : 684705.4/42

All: 132.466+/-0.013 χ^2/NDF : 1604144.5/81

reg_asym_left_avg_mean vs Slug, Sign Corrected



Right In: 847.032 $\pm$ 216.666 χ^2 /NDF: 5.2/15

Left Out: 792.633 $\pm$ 134.867 χ^2 /NDF: 19.0/23

Right Out: 997.112 $\pm$ 213.264 χ^2 /NDF: 14.0/17

Left In: 979.796 $\pm$ 136.094 χ^2 /NDF: 27.4/21

Left: 885.367 $\pm$ 95.796 χ^2 /NDF: 47.3/45

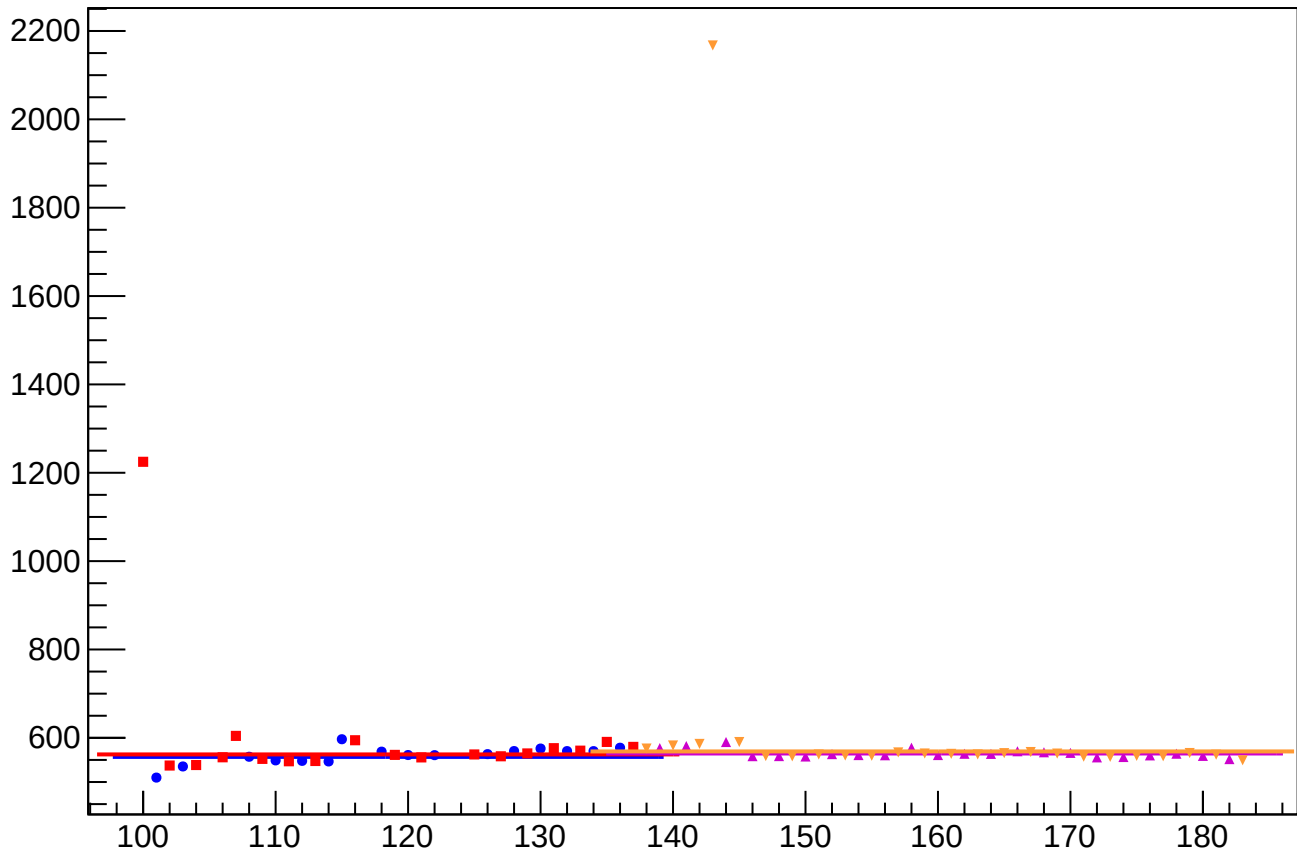
Right: 923.259 $\pm$ 151.989 χ^2 /NDF: 19.5/33

In: 942.235 $\pm$ 115.245 χ^2 /NDF: 32.8/37

Out: 851.048 $\pm$ 113.987 χ^2 /NDF: 33.7/41

All: 896.140 $\pm$ 81.042 χ^2 /NDF: 66.9/79

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 556.871 $\pm$ 0.153 χ^2 /NDF: 18555.7/15

Left Out: 569.231 $\pm$ 0.095 χ^2 /NDF: 852779.8/23

Right Out: 562.460 $\pm$ 0.151 χ^2 /NDF: 55550.6/17

Left In: 564.572 $\pm$ 0.096 χ^2 /NDF: 8982.5/21

Left: 566.923 $\pm$ 0.068 χ^2 /NDF: 862944.7/45

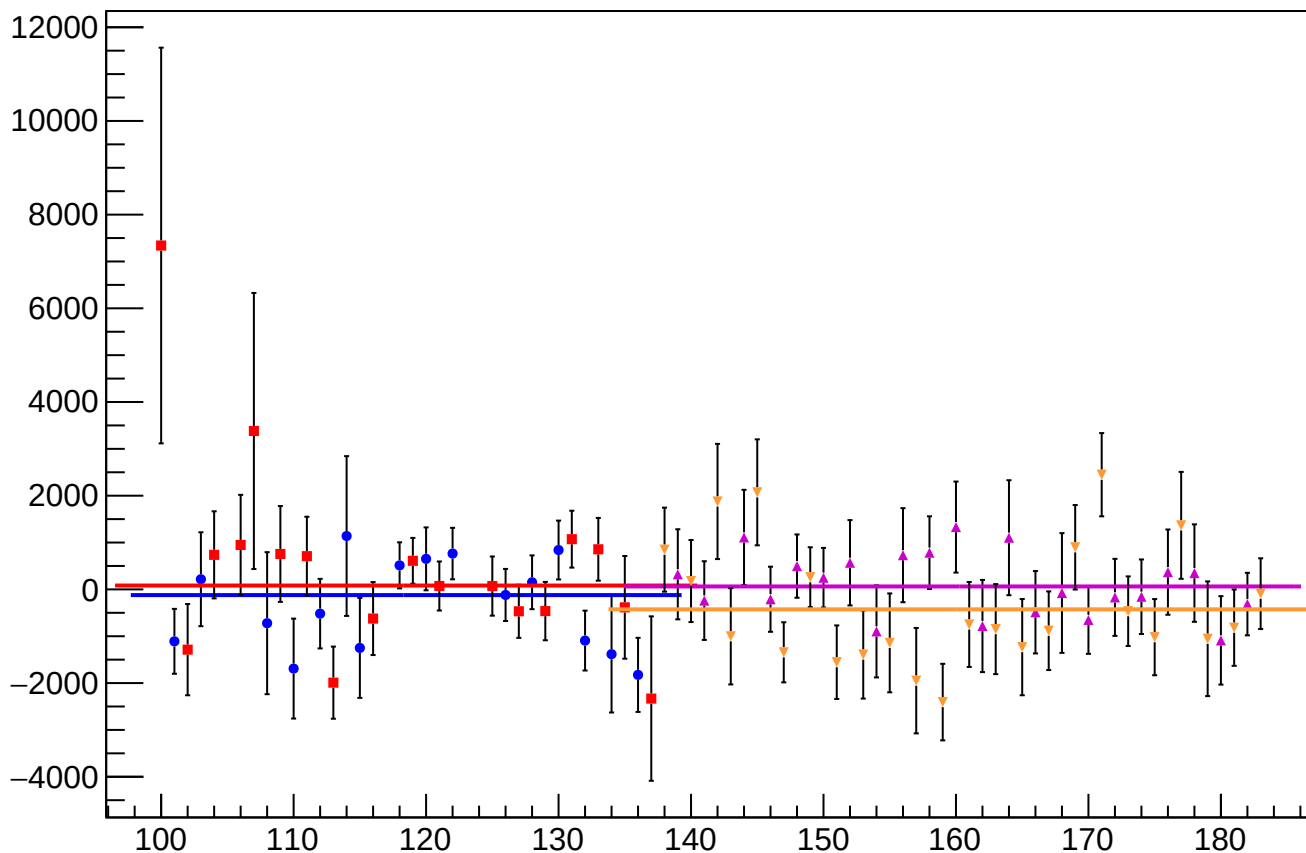
Right: 559.710 $\pm$ 0.107 χ^2 /NDF: 74782.1/33

In: 562.393 $\pm$ 0.081 χ^2 /NDF: 29349.9/37

Out: 567.296 $\pm$ 0.081 χ^2 /NDF: 909770.5/41

All: 564.872 $\pm$ 0.057 χ^2 /NDF: 940950.4/79

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -121.777 $\pm$ 180.788 χ^2/NDF : 22.6/15

Left Out: -425.797 $\pm$ 179.788 χ^2/NDF : 43.2/23

Right Out: 82.274 $\pm$ 179.330 χ^2/NDF : 25.3/17

Left In: 62.587 $\pm$ 181.919 χ^2/NDF : 11.2/21

Left: -184.482 $\pm$ 127.876 χ^2/NDF : 58.0/45

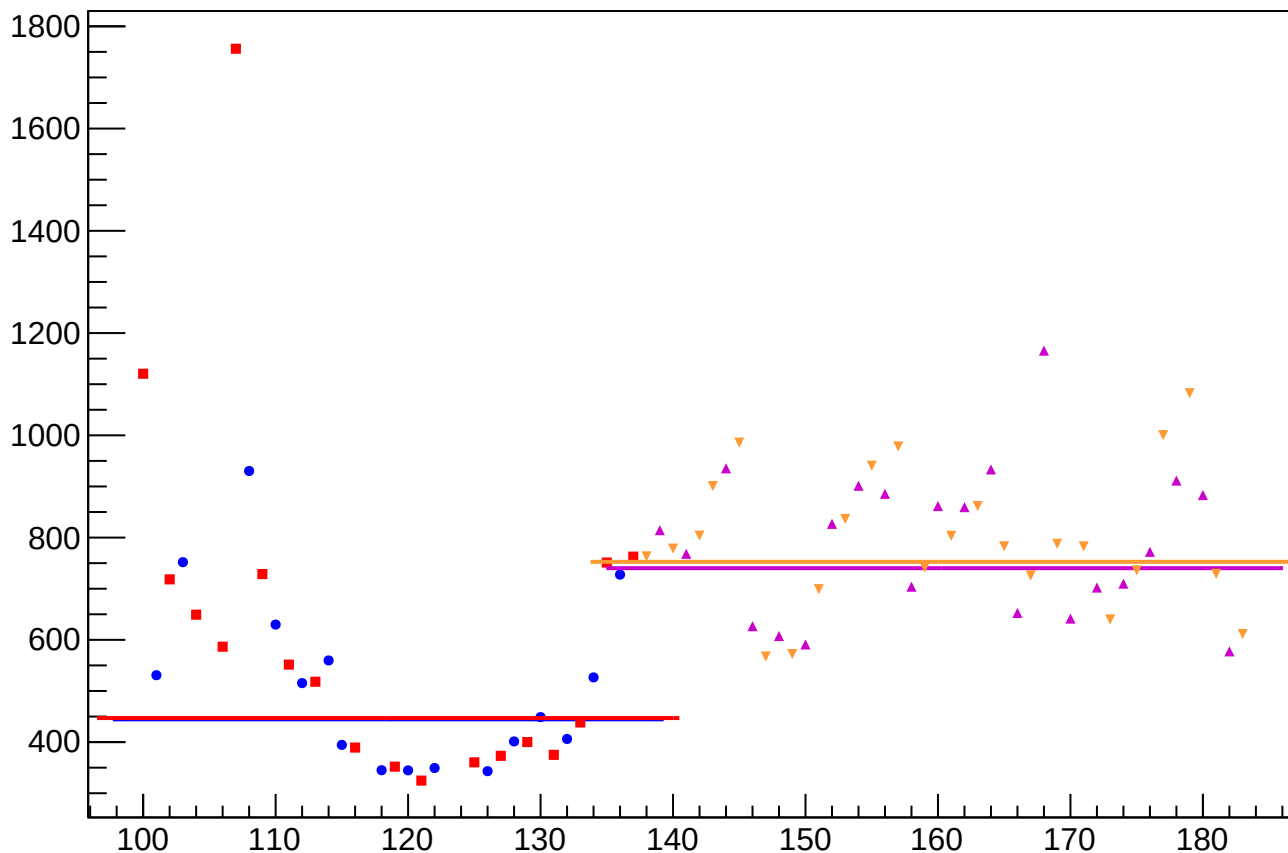
Right: -18.926 $\pm$ 127.318 χ^2/NDF : 48.5/33

In: -30.170 $\pm$ 128.234 χ^2/NDF : 34.2/37

Out: -171.114 $\pm$ 126.967 χ^2/NDF : 72.6/41

All: -101.342 $\pm$ 90.224 χ^2/NDF : 107.4/79

asym_left_avg_correction_rms vs Slug, Sign Corrected



Right In: 444.510 $\pm$ 0.128 χ^2 /NDF: 1052706.5/15

Left Out: 752.598 $\pm$ 0.127 χ^2 /NDF:1026660.9/23

Right Out: 447.043 $\pm$ 0.127 χ^2 /NDF: 1454919.9/17

Left In: 740.164 $\pm$ 0.129 χ^2 /NDF:1064011.9/21

Left: 746.455 $\pm$ 0.090 χ^2 /NDF: 2095399.7/45

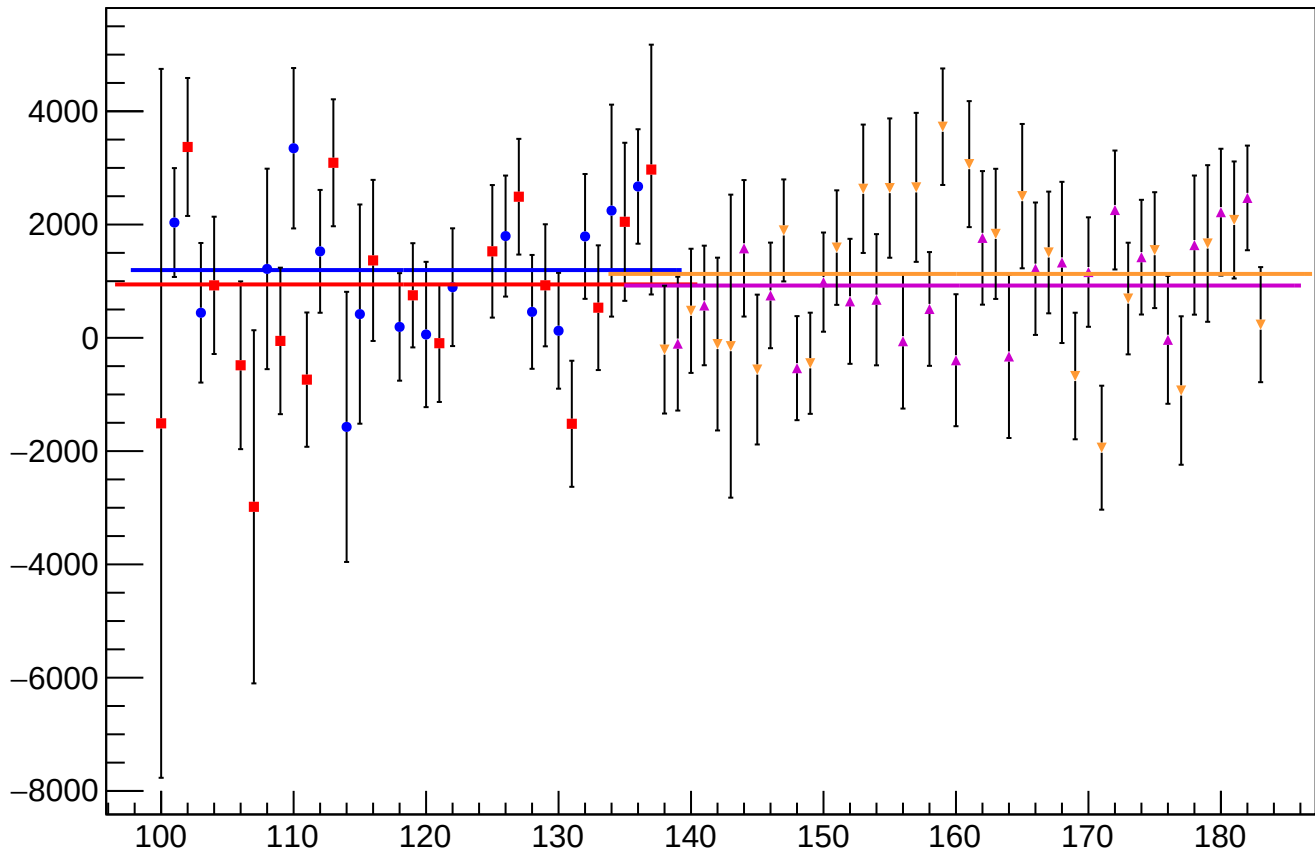
Right: 445.787 $\pm$ 0.090 χ^2 /NDF: 2507824.2/33

In: 591.415 $\pm$ 0.091 χ^2 /NDF:4774455.9/37

Out: 599.431 $\pm$ 0.090 χ^2 /NDF:5377365.3/41

All: 595.463 $\pm$ 0.064 χ^2 /NDF: 10155767.8/79

asym_left_avg_mean vs Slug, Sign Corrected



Right In: 1196.174 $\pm$ 296.098 χ^2 /NDF: 11.7/15

Left Out: 1128.363 $\pm$ 230.219 χ^2 /NDF:39.1/23

Right Out: 942.782 $\pm$ 294.221 χ^2 /NDF: 23.1/17

Left In: 923.266 $\pm$ 231.001 χ^2 /NDF:14.5/21

Left: 1026.162 $\pm$ 163.065 χ^2 /NDF: 54.0/45

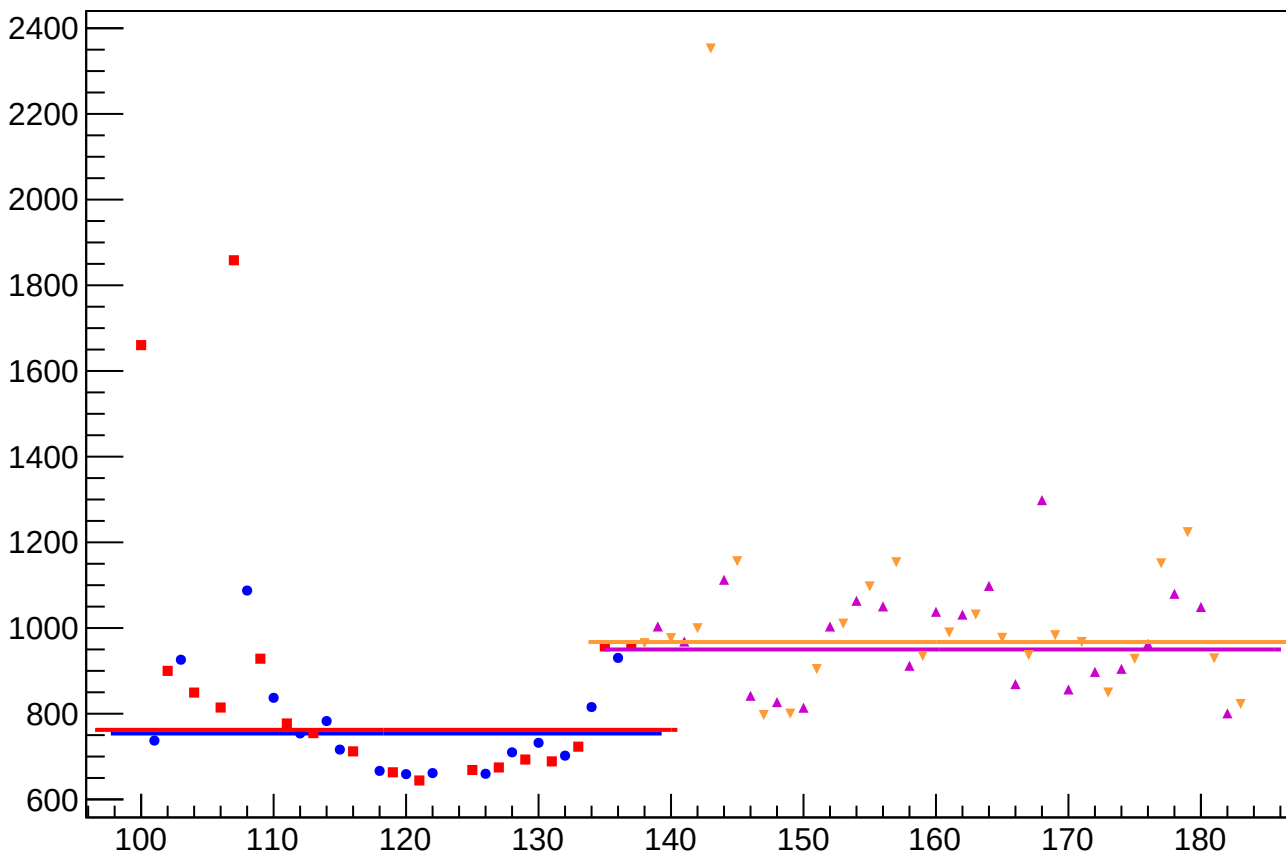
Right: 1068.673 $\pm$ 208.706 χ^2 /NDF: 35.2/33

In: 1026.522 $\pm$ 182.131 χ^2 /NDF:26.8/37

Out: 1057.888 $\pm$ 181.311 χ^2 /NDF:62.5/41

All: 1042.276 $\pm$ 128.495 χ^2 /NDF: 89.2/79

asym_left_avg_rms vs Slug, Sign Corrected



Right In: 753.808 $\pm$ 0.209 χ^2/NDF : 250129.9/15

Left Out: 967.327 $\pm$ 0.163 χ^2/NDF : 986956.5/23

Right Out: 762.317 $\pm$ 0.208 χ^2/NDF : 513801.4/17

Left In: 949.930 $\pm$ 0.163 χ^2/NDF : 483032.7/21

Left: 958.658 $\pm$ 0.115 χ^2/NDF : 1475680.1/45

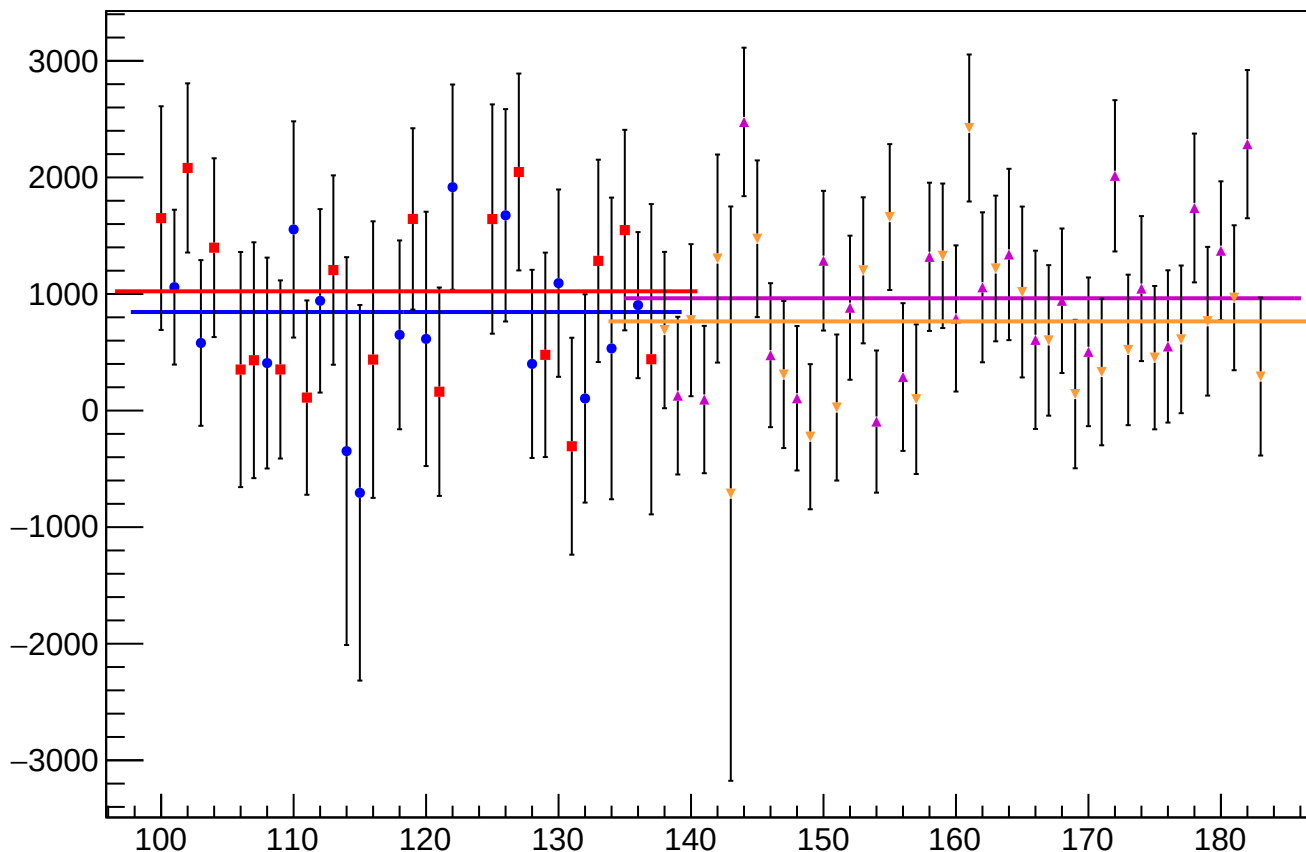
Right: 758.089 $\pm$ 0.148 χ^2/NDF : 764762.2/33

In: 875.726 $\pm$ 0.129 χ^2/NDF : 1278611.4/37

Out: 889.474 $\pm$ 0.128 χ^2/NDF : 2103038.2/41

All: 882.631 $\pm$ 0.091 χ^2/NDF : 3387372.6/79

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 845.362 $\pm$ 216.498 χ^2/NDF : 6.1/15

Left Out: 765.177 $\pm$ 134.756 χ^2/NDF : 20.8/23

Right Out: 1023.052 $\pm$ 208.229 χ^2/NDF : 12.4/17

Left In: 963.479 $\pm$ 135.985 χ^2/NDF : 26.8/21

Left: 863.427 $\pm$ 95.718 χ^2/NDF : 48.7/45

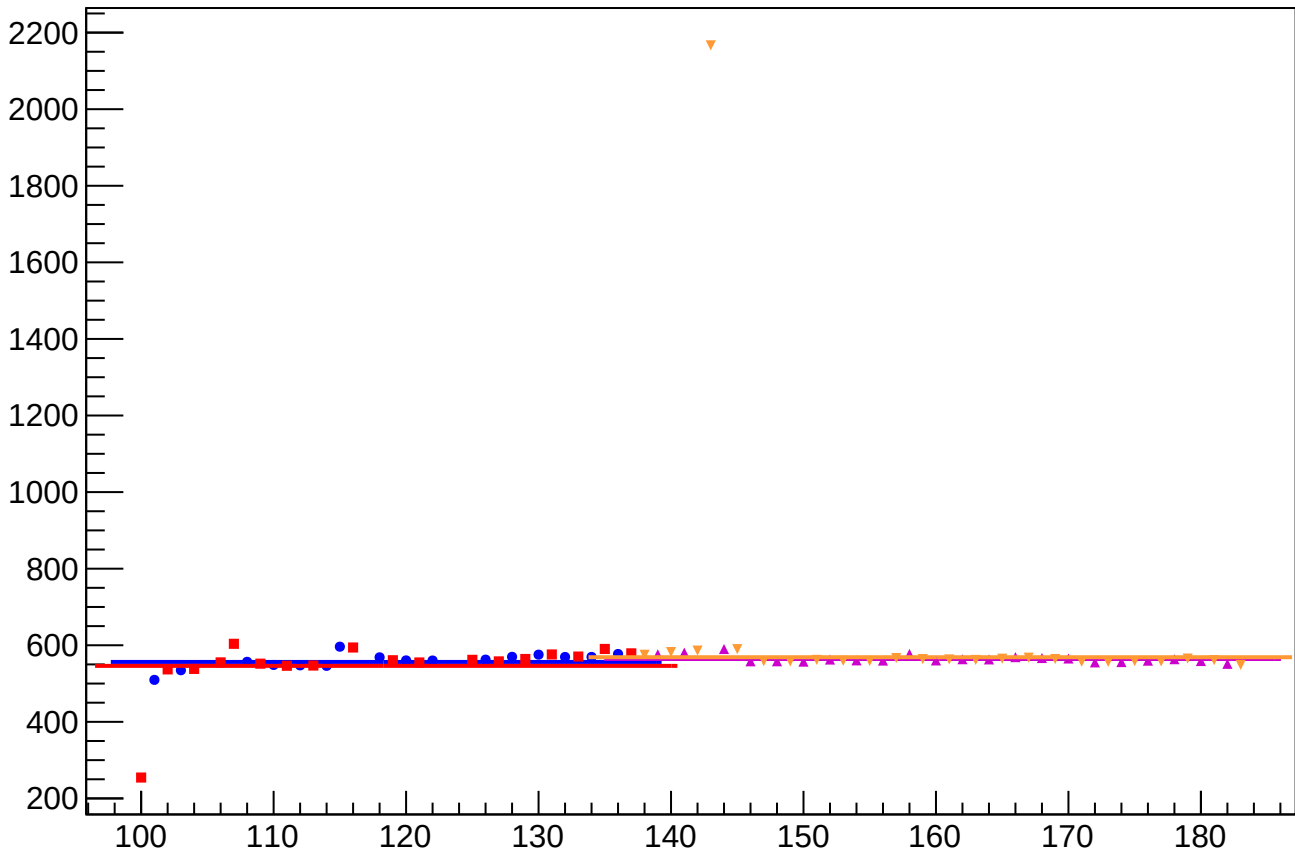
Right: 937.665 $\pm$ 150.078 χ^2/NDF : 18.8/33

In: 930.062 $\pm$ 115.154 χ^2/NDF : 33.1/37

Out: 841.296 $\pm$ 113.132 χ^2/NDF : 34.3/41

All: 884.893 $\pm$ 80.702 χ^2/NDF : 67.6/79

reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 556.437+/-0.153 χ^2/NDF : 18580.5/15

Left Out: 568.758+/-0.095 χ^2/NDF : 853068.0/23

Right Out: 546.163+/-0.147 χ^2/NDF : 208134.5/17

Left In: 564.122+/-0.096 χ^2/NDF : 8980.3/21

Left: 566.461+/-0.068 χ^2/NDF : 863221.2/45

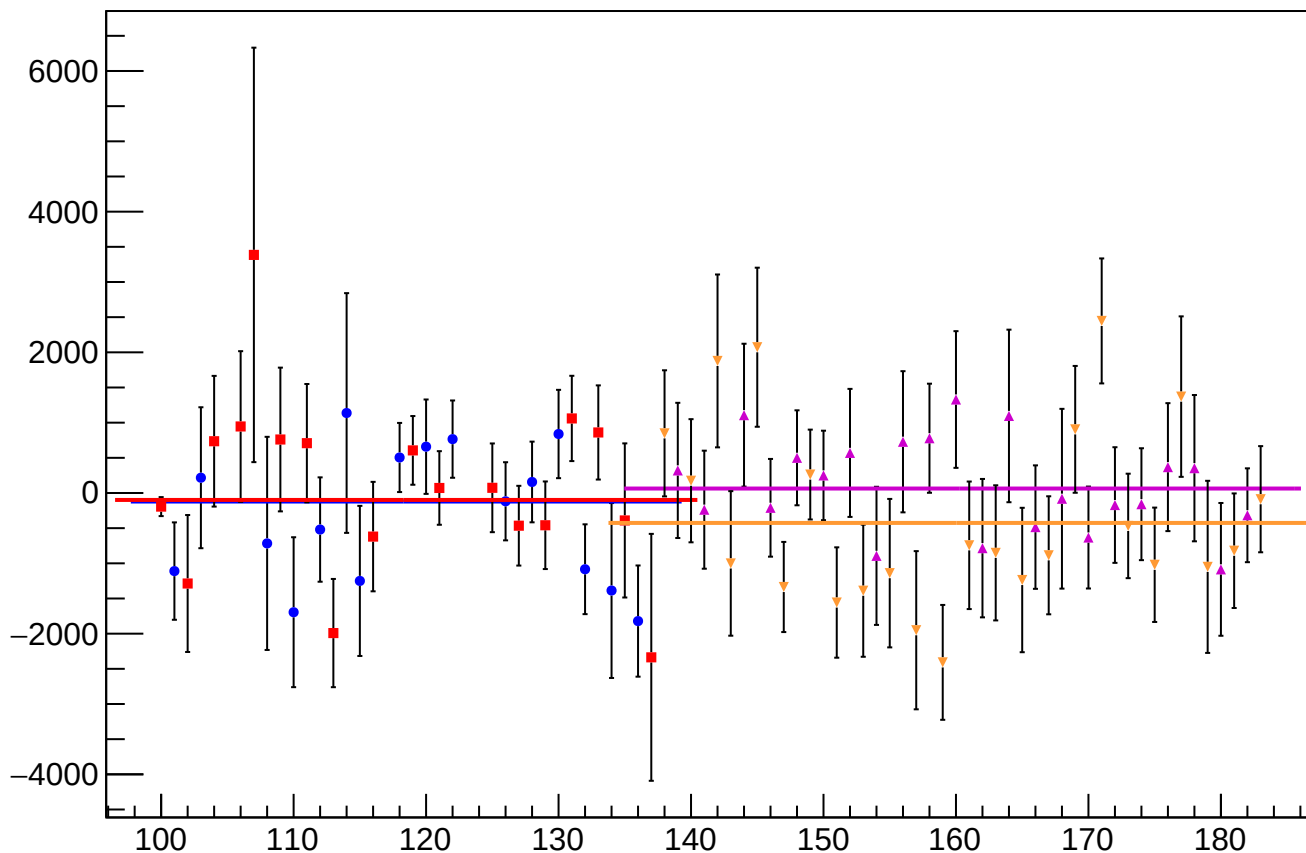
Right: 551.100+/-0.106 χ^2/NDF : 229054.7/33

In: 561.948+/-0.081 χ^2/NDF : 29367.7/37

Out: 562.088+/-0.080 χ^2/NDF : 1077800.1/41

All: 562.019+/-0.057 χ^2/NDF : 1107169.4/79

asym_left_dd_correction_mean vs Slug, Sign Corrected



Right In: -121.208+/-180.699 χ^2/NDF : 22.5/15

Left Out: -425.463+/-179.714 χ^2/NDF : 43.3/23

Right Out: -98.790+/-107.853 χ^2/NDF : 23.7/17

Left In: 63.443+/-181.842 χ^2/NDF : 11.1/21

Left: -183.888+/-127.823 χ^2/NDF : 58.0/45

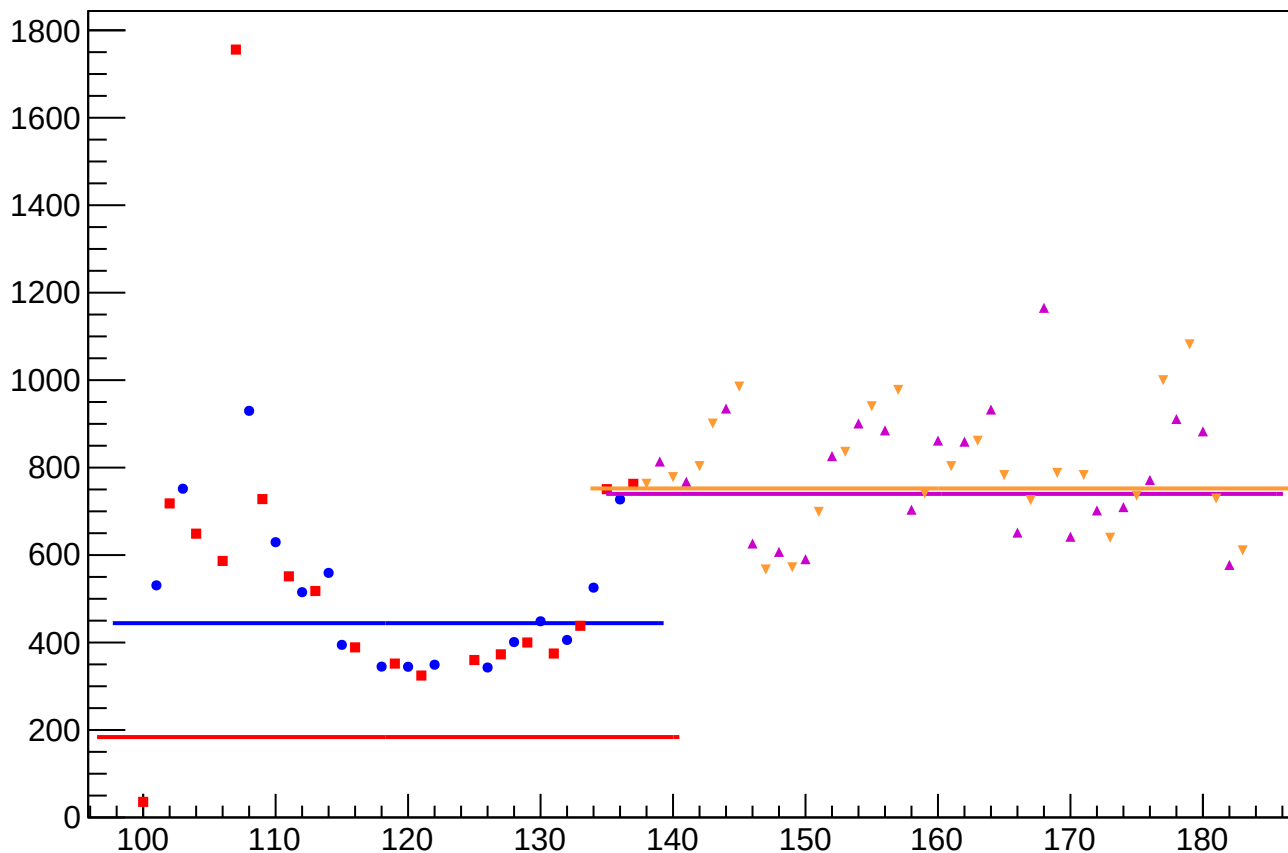
Right: -104.679+/-92.611 χ^2/NDF : 46.2/33

In: -29.464+/-128.176 χ^2/NDF : 34.1/37

Out: -185.291+/-92.477 χ^2/NDF : 69.4/41

All: -131.945+/-74.996 χ^2/NDF : 104.5/79

asym_left_dd_correction_rms vs Slug, Sign Corrected



Right In: 444.298+/-0.128 χ^2/NDF : 1052547.8/15

Left Out: 752.302+/-0.127 χ^2/NDF :1027356.1/23

Right Out: 183.834+/-0.076 χ^2/NDF : 8072183.4/17

Left In: 739.853+/-0.129 χ^2/NDF :1063870.3/21

Left: 746.151+/-0.090 χ^2/NDF : 2095969.0/45

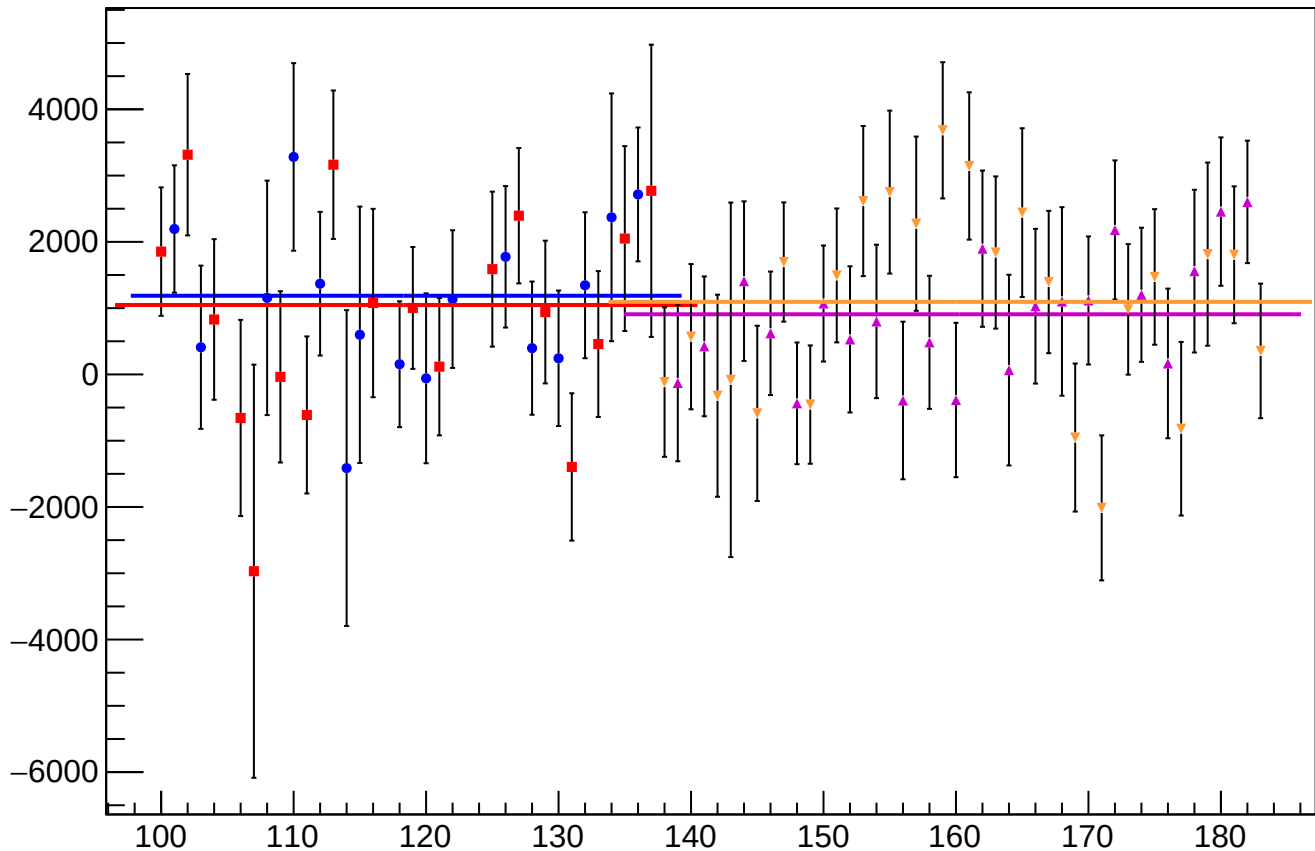
Right: 252.250+/-0.065 χ^2/NDF : 12188638.4/33

In: 591.144+/-0.091 χ^2/NDF :4774788.8/37

Out: 334.360+/-0.065 χ^2/NDF :23812098.8/41

All: 422.267+/-0.053 χ^2/NDF : 33865905.7/79

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1186.962 $\pm$ 295.897 χ^2/NDF : 11.6/15

Left Out: 1095.010 $\pm$ 230.088 χ^2/NDF : 38.4/23

Right Out: 1047.656 $\pm$ 281.637 χ^2/NDF : 22.4/17

Left In: 907.477 $\pm$ 230.872 χ^2/NDF : 14.8/21

Left: 1001.563 $\pm$ 162.973 χ^2/NDF : 53.6/45

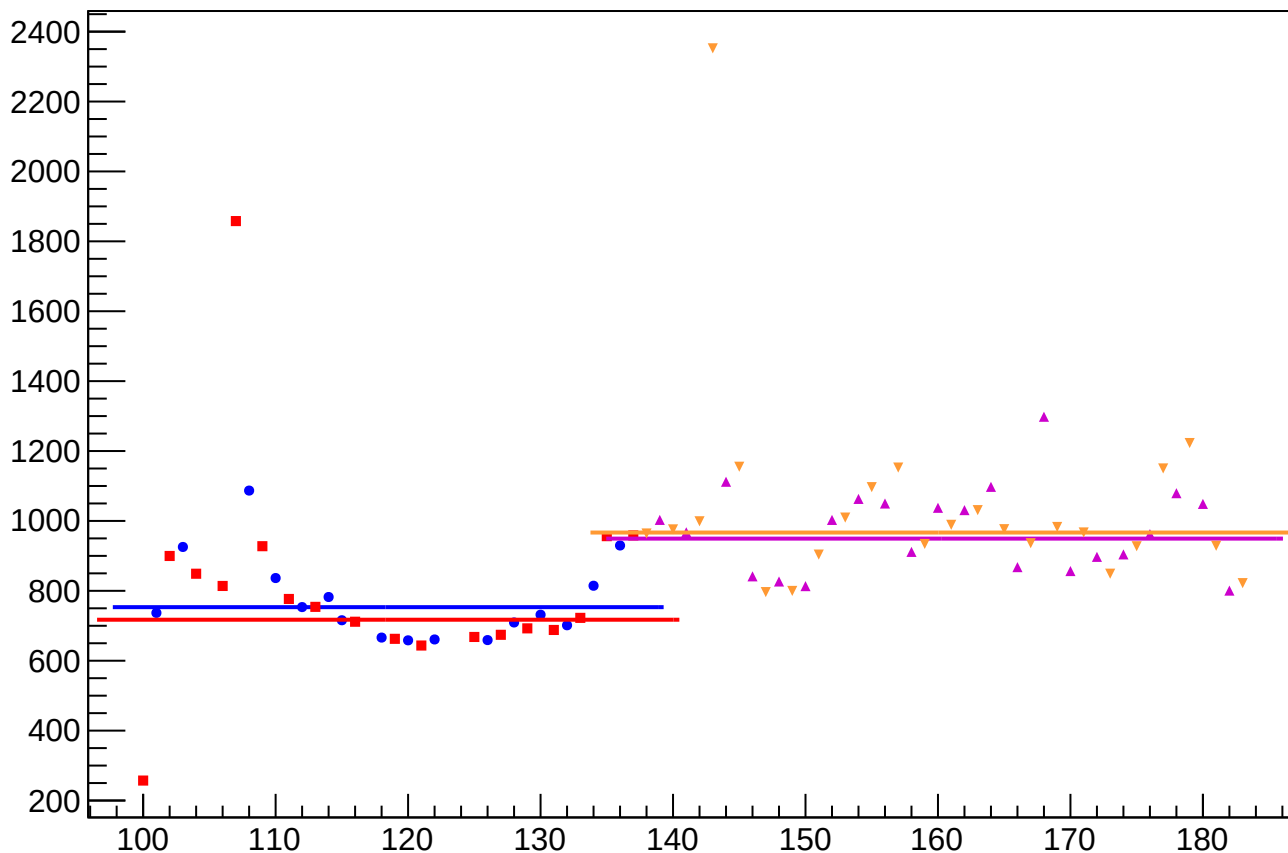
Right: 1113.871 $\pm$ 204.002 χ^2/NDF : 34.2/33

In: 1013.237 $\pm$ 182.021 χ^2/NDF : 27.0/37

Out: 1076.056 $\pm$ 178.184 χ^2/NDF : 60.9/41

All: 1045.315 $\pm$ 127.330 χ^2/NDF : 88.0/79

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 753.290 $\pm$ 0.209 χ^2 /NDF: 250330.3/15

Left Out: 966.777 $\pm$ 0.163 χ^2 /NDF: 987174.8/23

Right Out: 717.327 $\pm$ 0.199 χ^2 /NDF: 965686.8/17

Left In: 949.395 $\pm$ 0.163 χ^2 /NDF: 483123.7/21

Left: 958.116 $\pm$ 0.115 χ^2 /NDF: 1475986.7/45

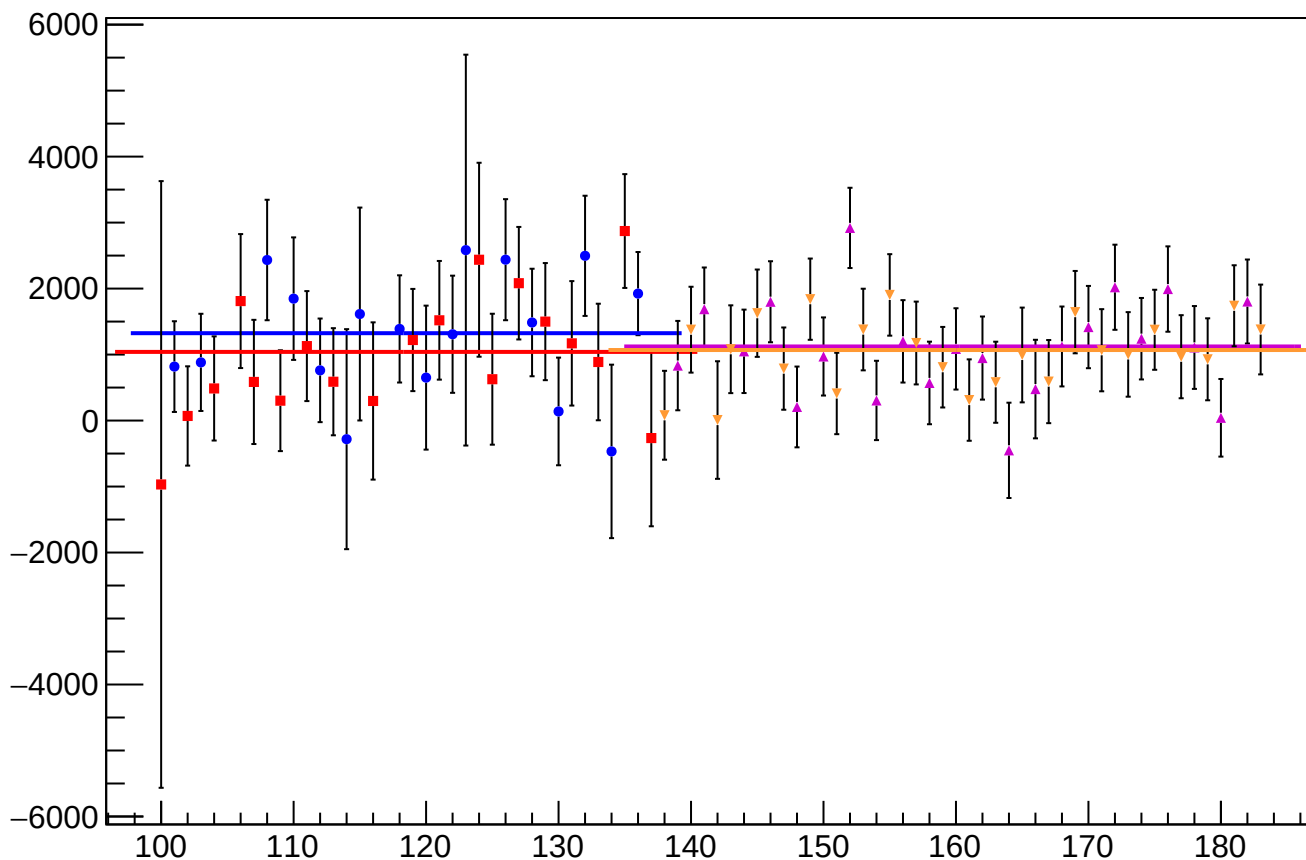
Right: 734.421 $\pm$ 0.144 χ^2 /NDF: 1231518.2/33

In: 875.187 $\pm$ 0.129 χ^2 /NDF: 1279495.9/37

Out: 866.929 $\pm$ 0.126 χ^2 /NDF: 2893822.7/41

All: 870.970 $\pm$ 0.090 χ^2 /NDF: 4175420.8/79

reg_asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1324.051 $\pm$ 218.600 χ^2 /NDF: 12.8/16

Left Out: 1068.836 $\pm$ 130.585 χ^2 /NDF:15.0/23

Right Out: 1040.501 $\pm$ 212.080 χ^2 /NDF: 13.5/18

Left In: 1122.877 $\pm$ 134.299 χ^2 /NDF:30.0/21

Left: 1095.099 $\pm$ 93.623 χ^2 /NDF: 45.1/45

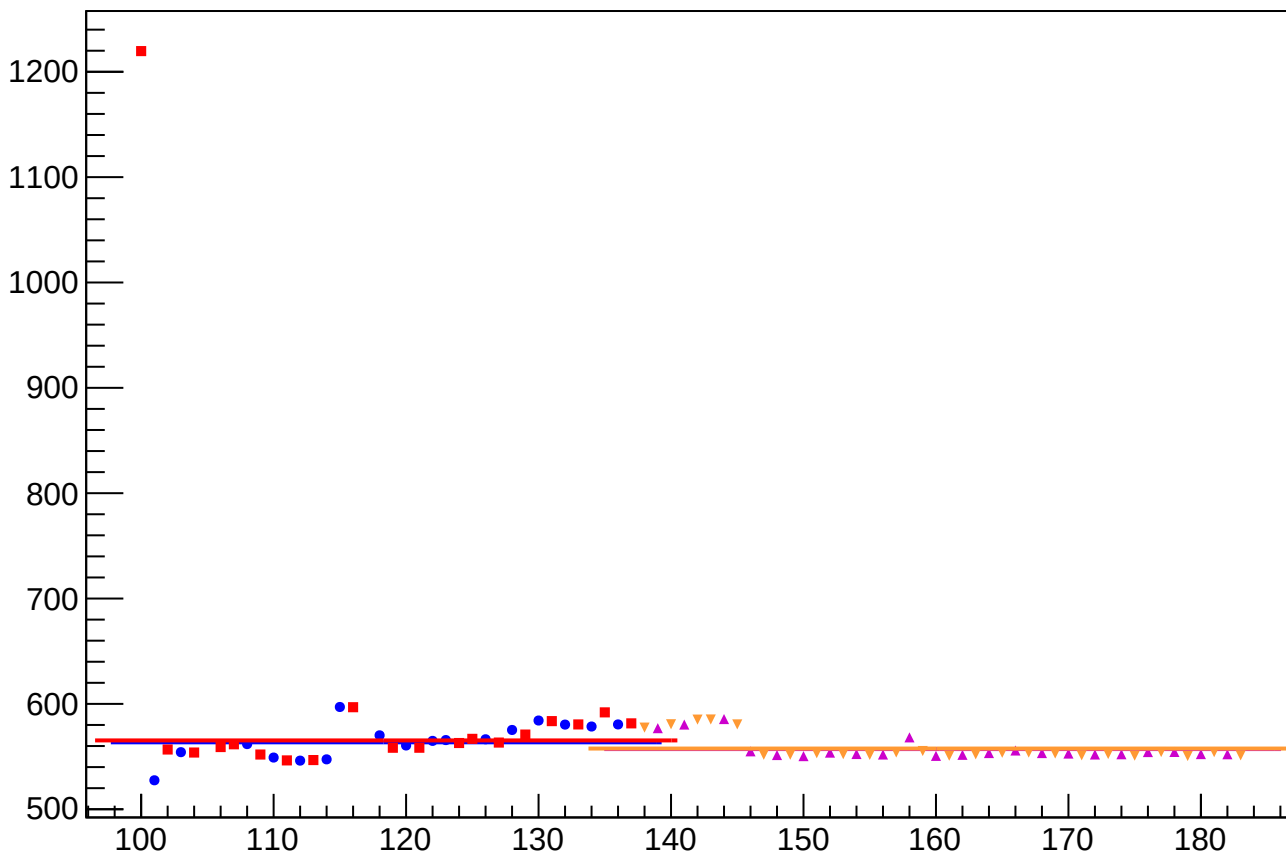
Right: 1177.984 $\pm$ 152.216 χ^2 /NDF: 27.2/35

In: 1178.002 $\pm$ 114.429 χ^2 /NDF:43.4/38

Out: 1061.047 $\pm$ 111.196 χ^2 /NDF:28.5/42

All: 1117.849 $\pm$ 79.746 χ^2 /NDF: 72.5/81

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 563.522+/-0.155 χ^2/NDF : 12614.9/16

Left Out: 557.604+/-0.092 χ^2/NDF : 14711.3/23

Right Out: 565.327+/-0.150 χ^2/NDF : 49346.9/18

Left In: 557.108+/-0.095 χ^2/NDF : 11082.8/21

Left: 557.363+/-0.066 χ^2/NDF : 25808.2/45

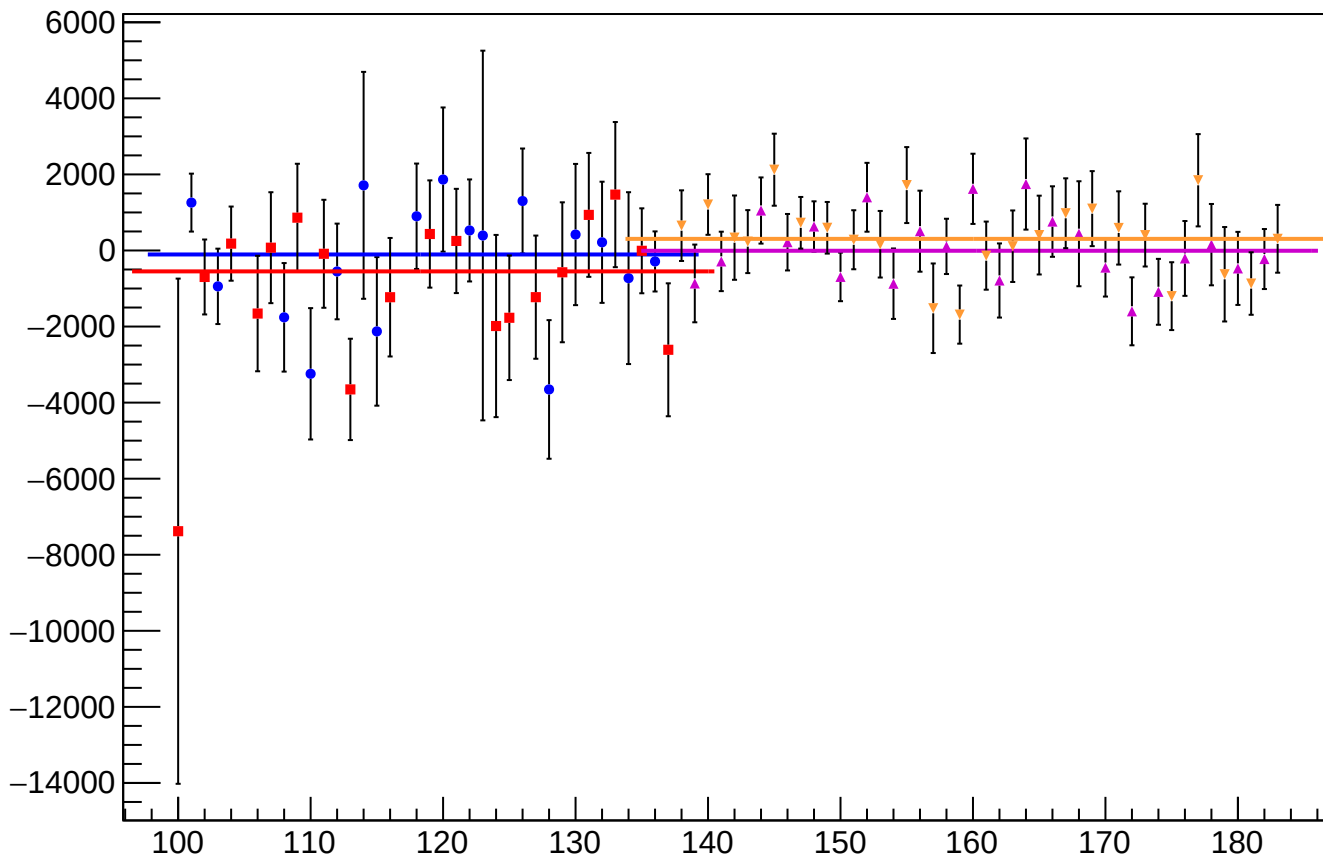
Right: 564.452+/-0.108 χ^2/NDF : 62032.1/35

In: 558.865+/-0.081 χ^2/NDF : 24947.8/38

Out: 559.727+/-0.079 χ^2/NDF : 65981.6/42

All: 559.308+/-0.056 χ^2/NDF : 90987.8/81

asym_right_avg_correction_mean vs Slug, Sign Corrected



Right In: -104.813 ± 328.267 χ^2/NDF : 17.0/16

Left Out: 305.491 ± 181.777 χ^2/NDF : 25.6/23

Right Out: -549.627 ± 332.981 χ^2/NDF : 14.6/18

Left In: -7.357 ± 185.251 χ^2/NDF : 20.2/21

Left: 152.027 ± 129.746 χ^2/NDF : 47.2/45

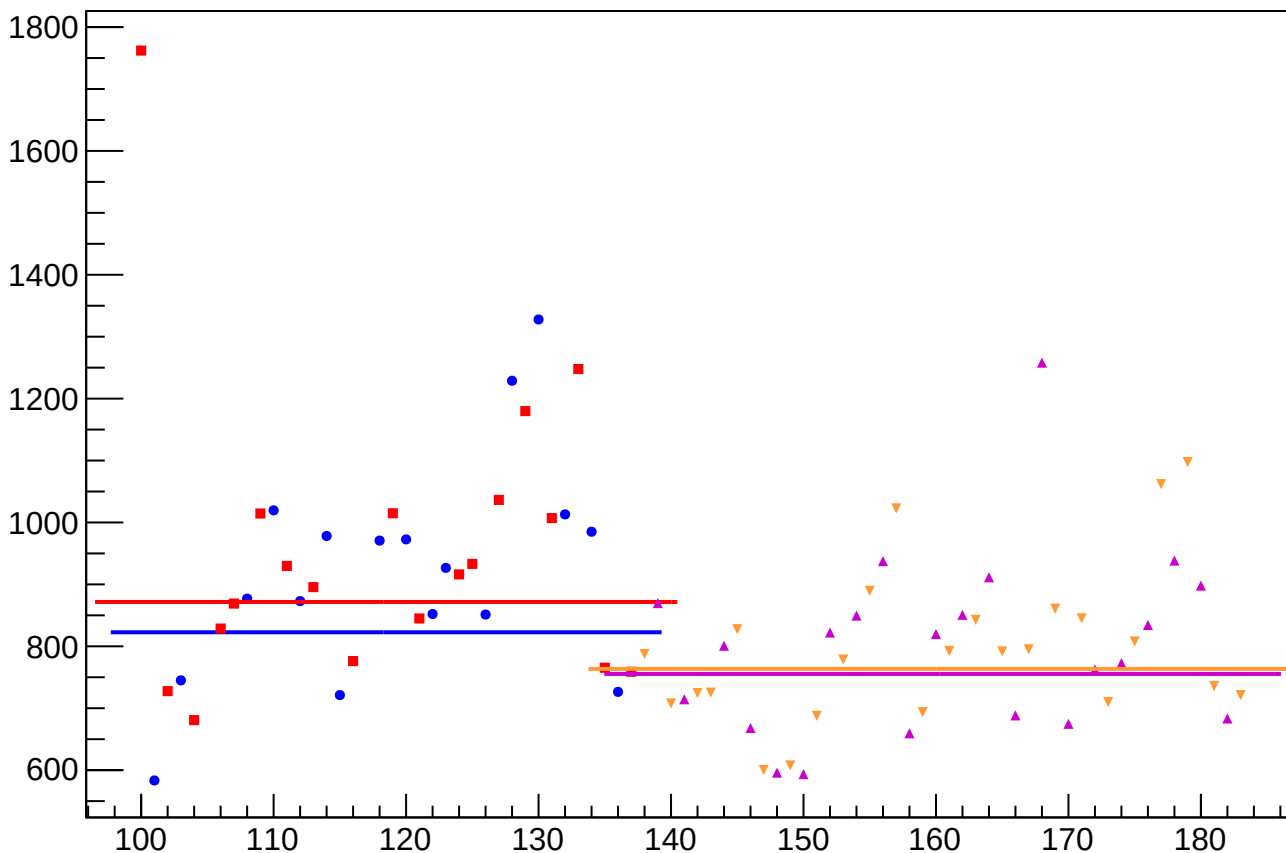
Right: -324.049 ± 233.768 χ^2/NDF : 32.5/35

In: -30.897 ± 161.334 χ^2/NDF : 37.3/38

Out: 109.161 ± 159.551 χ^2/NDF : 45.2/42

All: 39.910 ± 113.444 χ^2/NDF : 82.9/81

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 822.664 $\pm$ 0.232 χ^2 /NDF: 606735.8/16

Left Out: 763.487 $\pm$ 0.129 χ^2 /NDF: 753040.1/23

Right Out: 871.621 $\pm$ 0.235 χ^2 /NDF: 408427.2/18

Left In: 755.395 $\pm$ 0.131 χ^2 /NDF: 926952.3/21

Left: 759.518 $\pm$ 0.092 χ^2 /NDF: 1681936.5/45

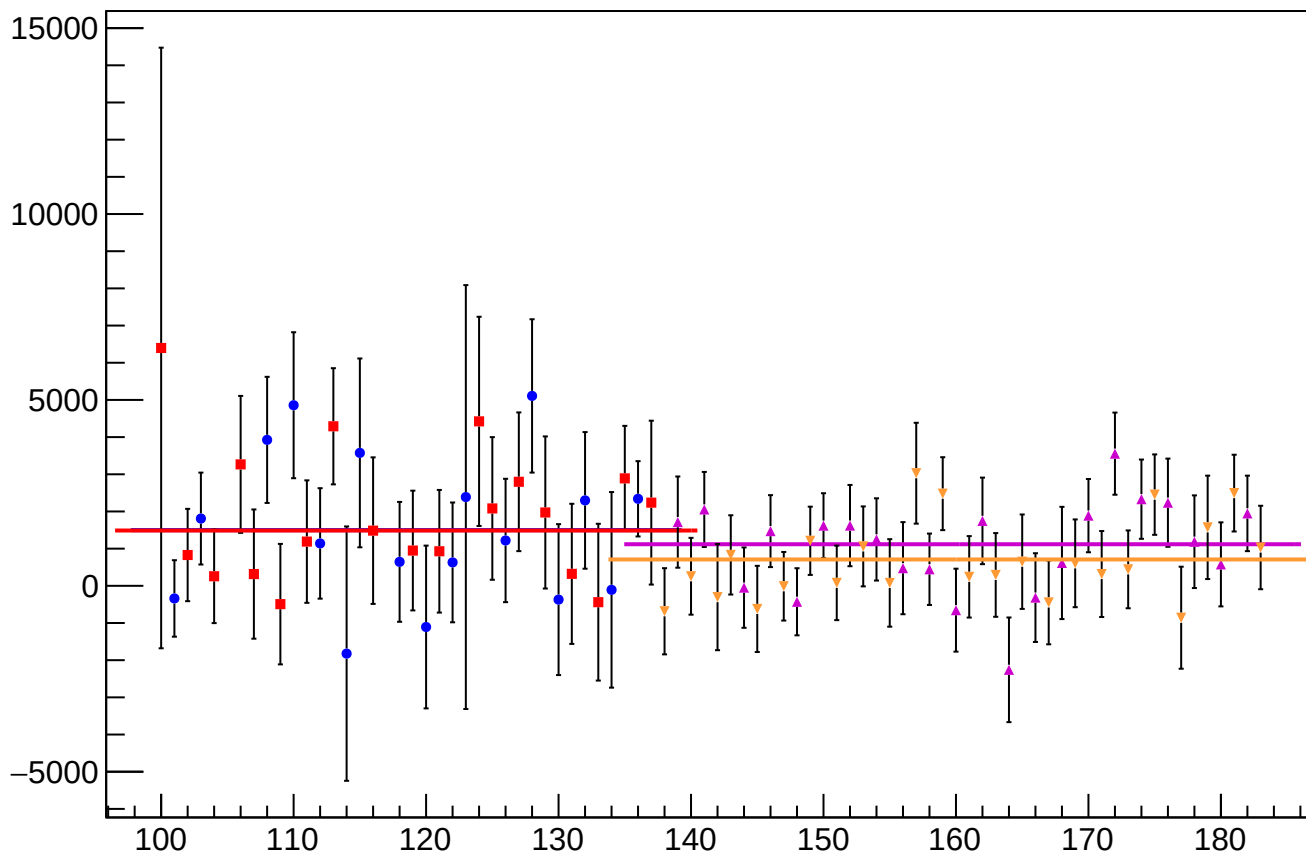
Right: 846.794 $\pm$ 0.165 χ^2 /NDF: 1037087.9/35

In: 771.643 $\pm$ 0.114 χ^2 /NDF: 1597388.0/38

Out: 788.314 $\pm$ 0.113 χ^2 /NDF: 1323961.3/42

All: 780.071 $\pm$ 0.080 χ^2 /NDF: 2932144.7/81

asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1497.967 $\pm$ 402.667 χ^2 /NDF: 17.1/16

Left Out: 708.713 $\pm$ 227.223 χ^2 /NDF: 20.3/23

Right Out: 1487.754 $\pm$ 400.718 χ^2 /NDF: 12.0/18

Left In: 1118.665 $\pm$ 232.322 χ^2 /NDF: 25.3/21

Left: 909.141 $\pm$ 162.443 χ^2 /NDF: 47.2/45

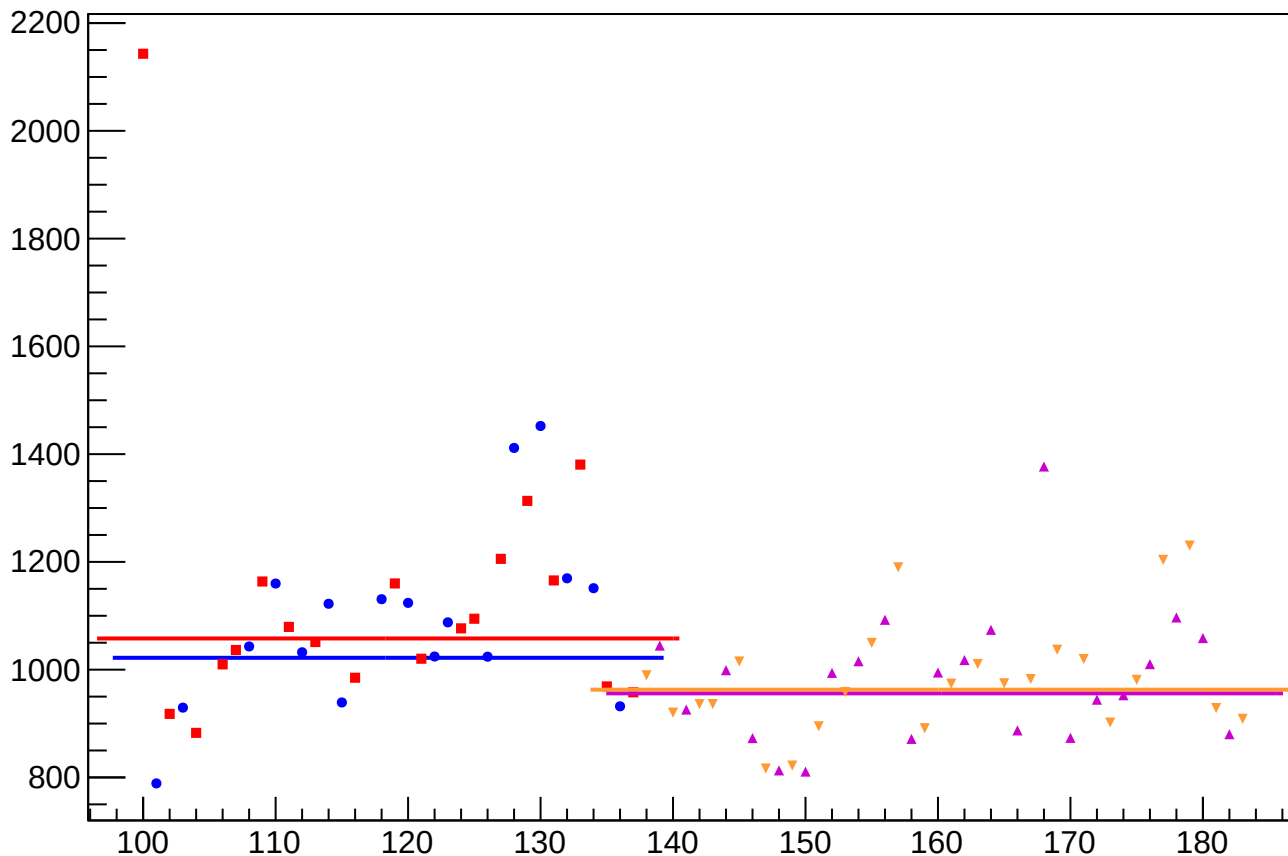
Right: 1492.836 $\pm$ 284.037 χ^2 /NDF: 29.1/35

In: 1213.394 $\pm$ 201.231 χ^2 /NDF: 43.1/38

Out: 898.257 $\pm$ 197.657 χ^2 /NDF: 35.2/42

All: 1053.002 $\pm$ 141.011 χ^2 /NDF: 79.5/81

asym_right_avg_rms vs Slug, Sign Corrected



Right In: 1022.011 $\pm$ 0.285 χ^2 /NDF: 336507.1/16

Left Out: 962.853 $\pm$ 0.161 χ^2 /NDF:362002.0/23

Right Out: 1057.901 $\pm$ 0.283 χ^2 /NDF: 232484.1/18

Left In: 956.029 $\pm$ 0.164 χ^2 /NDF:439712.6/21

Left: 959.517 $\pm$ 0.115 χ^2 /NDF: 802596.6/45

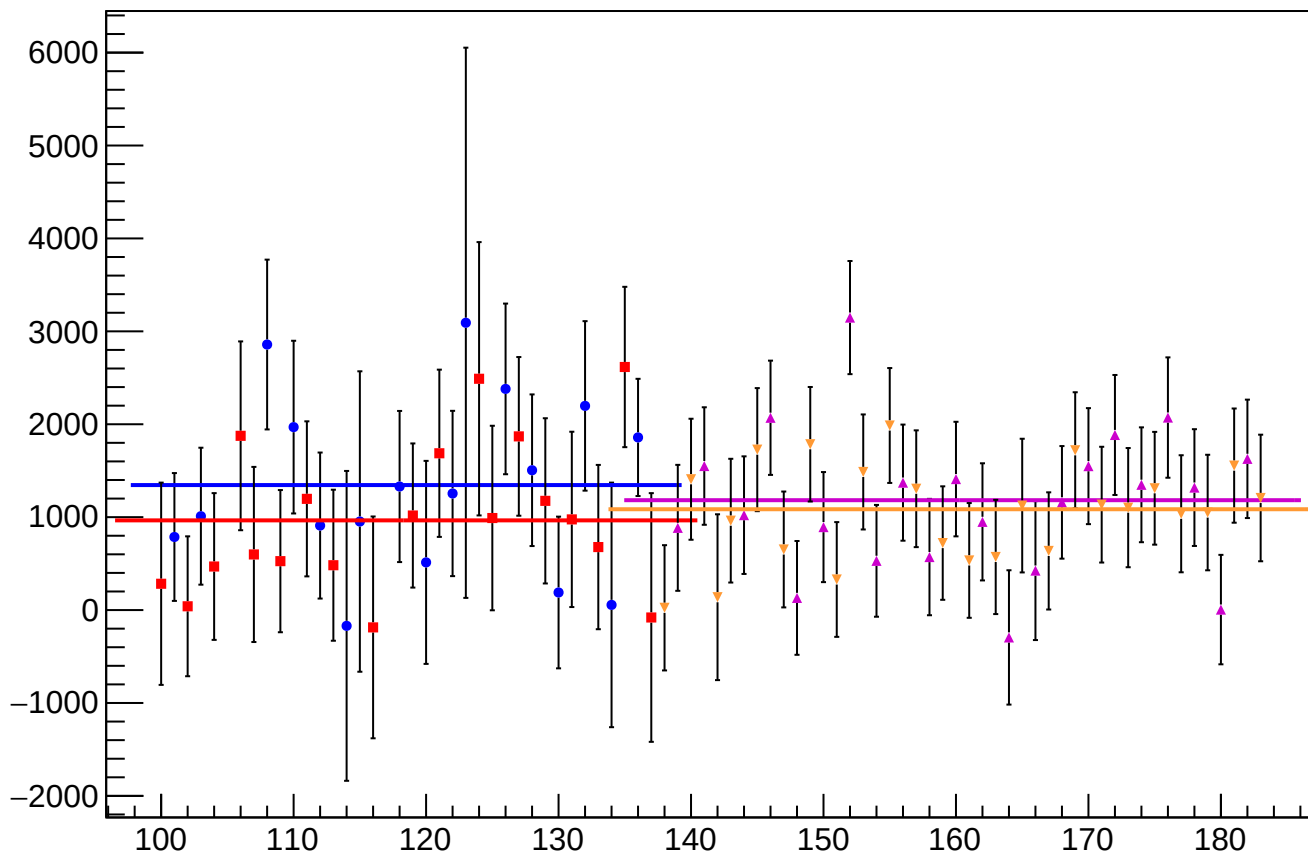
Right: 1040.043 $\pm$ 0.201 χ^2 /NDF: 576973.9/35

In: 972.508 $\pm$ 0.142 χ^2 /NDF:816509.6/38

Out: 985.979 $\pm$ 0.140 χ^2 /NDF:679630.2/42

All: 979.364 $\pm$ 0.100 χ^2 /NDF: 1500701.4/81

reg_asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1345.401 $\pm$ 218.855 χ^2 /NDF: 12.0/16

Left Out: 1085.206 $\pm$ 130.718 χ^2 /NDF:14.9/23

Right Out: 965.438 $\pm$ 208.614 χ^2 /NDF: 12.2/18

Left In: 1182.620 $\pm$ 134.451 χ^2 /NDF:32.0/21

Left: 1132.542 $\pm$ 93.723 χ^2 /NDF: 47.2/45

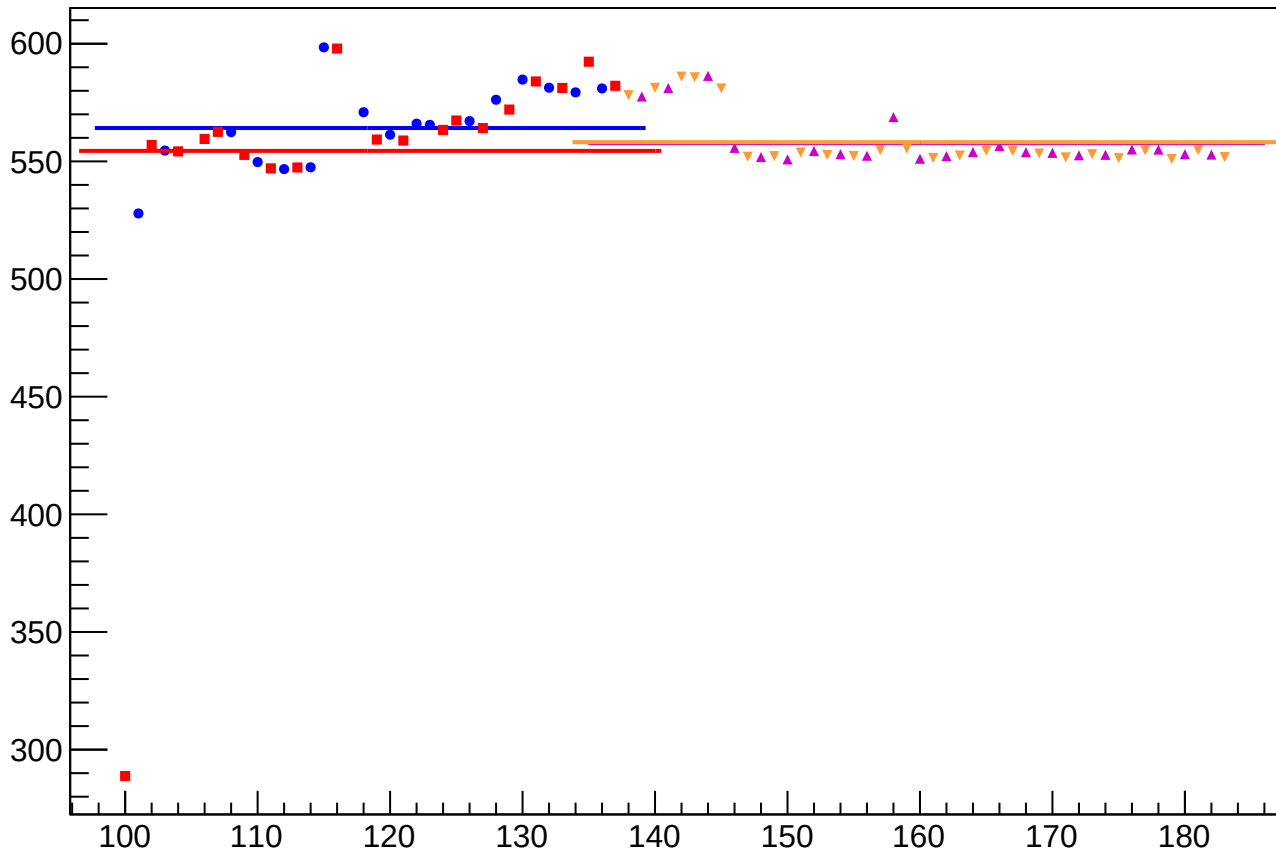
Right: 1146.322 $\pm$ 151.003 χ^2 /NDF: 25.8/35

In: 1227.222 $\pm$ 114.559 χ^2 /NDF:44.4/38

Out: 1051.440 $\pm$ 110.769 χ^2 /NDF:27.4/42

All: 1136.374 $\pm$ 79.632 χ^2 /NDF: 73.0/81

reg_asym_right_dd_rms vs Slug, Sign Corrected



Right In: 564.174 ± 0.155 χ^2/NDF : 12759.8/16

Left Out: 558.169 ± 0.092 χ^2/NDF : 14743.5/23

Right Out: 554.462 ± 0.148 χ^2/NDF : 132390.5/18

Left In: 557.737 ± 0.095 χ^2/NDF : 11146.9/21

Left: 557.959 ± 0.066 χ^2/NDF : 25901.0/45

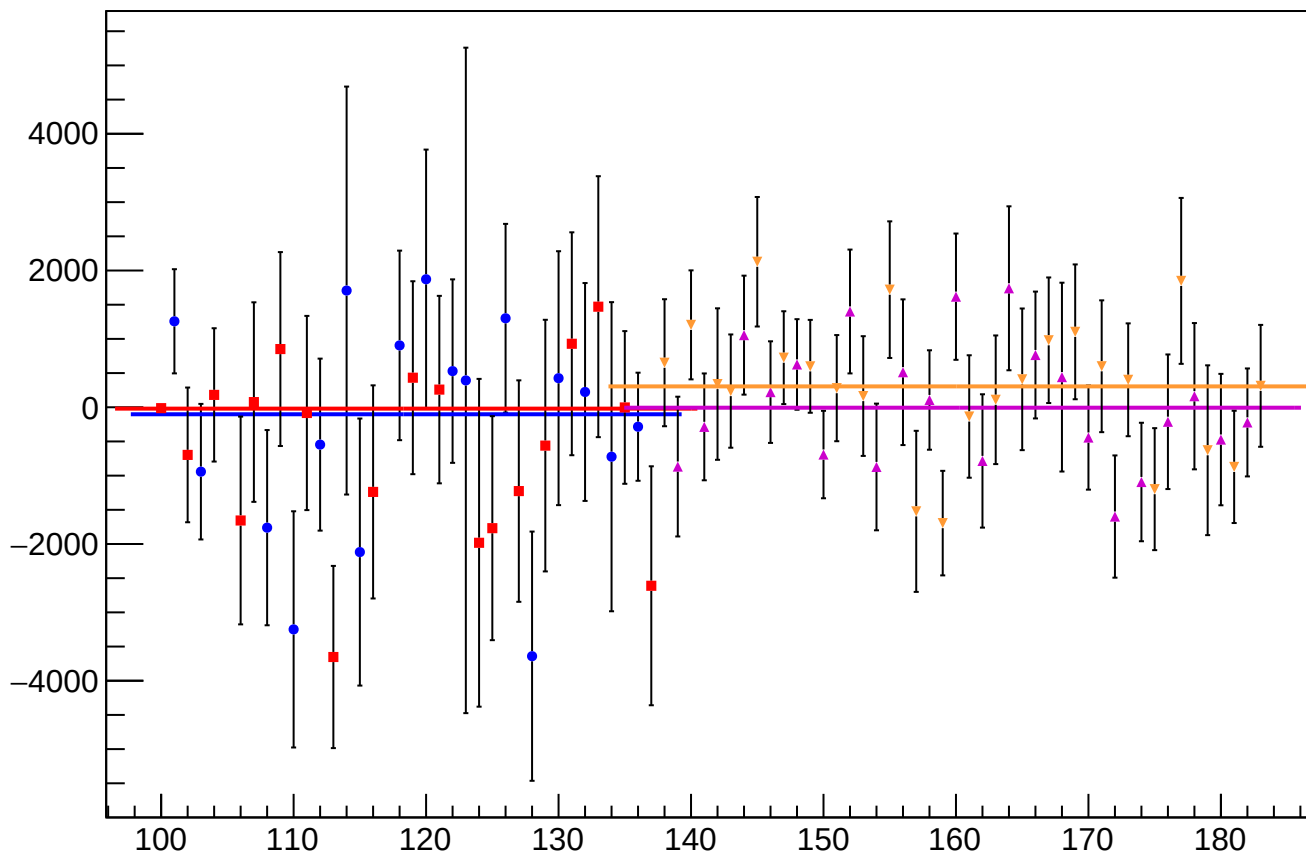
Right: 559.086 ± 0.107 χ^2/NDF : 147213.9/35

In: 559.501 ± 0.081 χ^2/NDF : 25162.9/38

Out: 557.124 ± 0.078 χ^2/NDF : 147587.3/42

All: 558.272 ± 0.056 χ^2/NDF : 173195.2/81

asym_right_dd_correction_mean vs Slug, Sign Corrected



Right In: -102.542 ± 328.366 χ^2/NDF : 17.0/16

Left Out: 305.223 ± 181.831 χ^2/NDF : 25.7/23

Right Out: -20.080 ± 38.955 χ^2/NDF : 15.9/18

Left In: -6.541 ± 185.344 χ^2/NDF : 20.1/21

Left: 152.323 ± 129.798 χ^2/NDF : 47.2/45

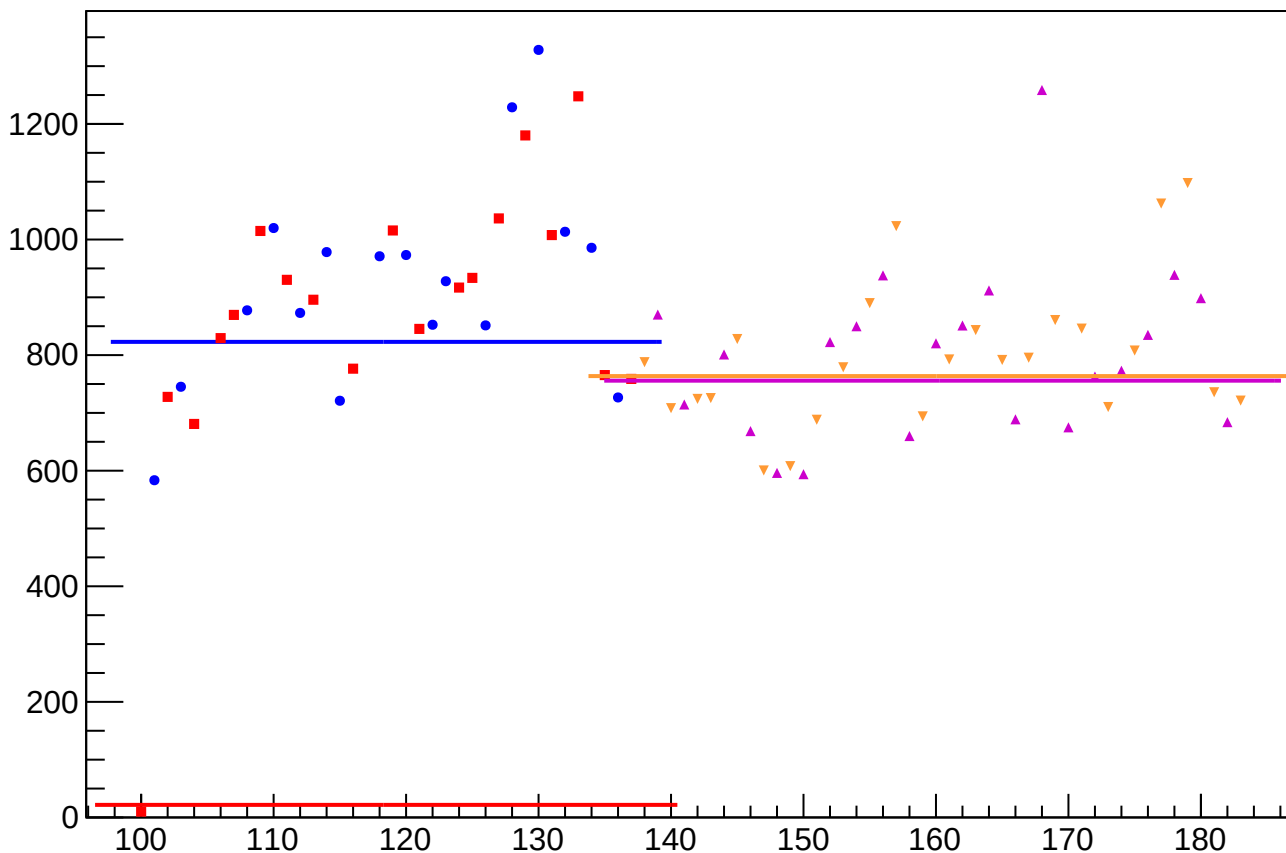
Right: -21.224 ± 38.684 χ^2/NDF : 33.0/35

In: -29.737 ± 161.407 χ^2/NDF : 37.2/38

Out: -5.804 ± 38.091 χ^2/NDF : 44.6/42

All: -7.067 ± 37.072 χ^2/NDF : 81.8/81

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 822.915 $\pm$ 0.232 χ^2 /NDF: 606659.4/16

Left Out: 763.706 $\pm$ 0.129 χ^2 /NDF: 753077.9/23

Right Out: 21.771 $\pm$ 0.028 χ^2 /NDF: 13478158.3/18

Left In: 755.785 $\pm$ 0.131 χ^2 /NDF: 926625.0/21

Left: 759.821 $\pm$ 0.092 χ^2 /NDF: 1681564.6/45

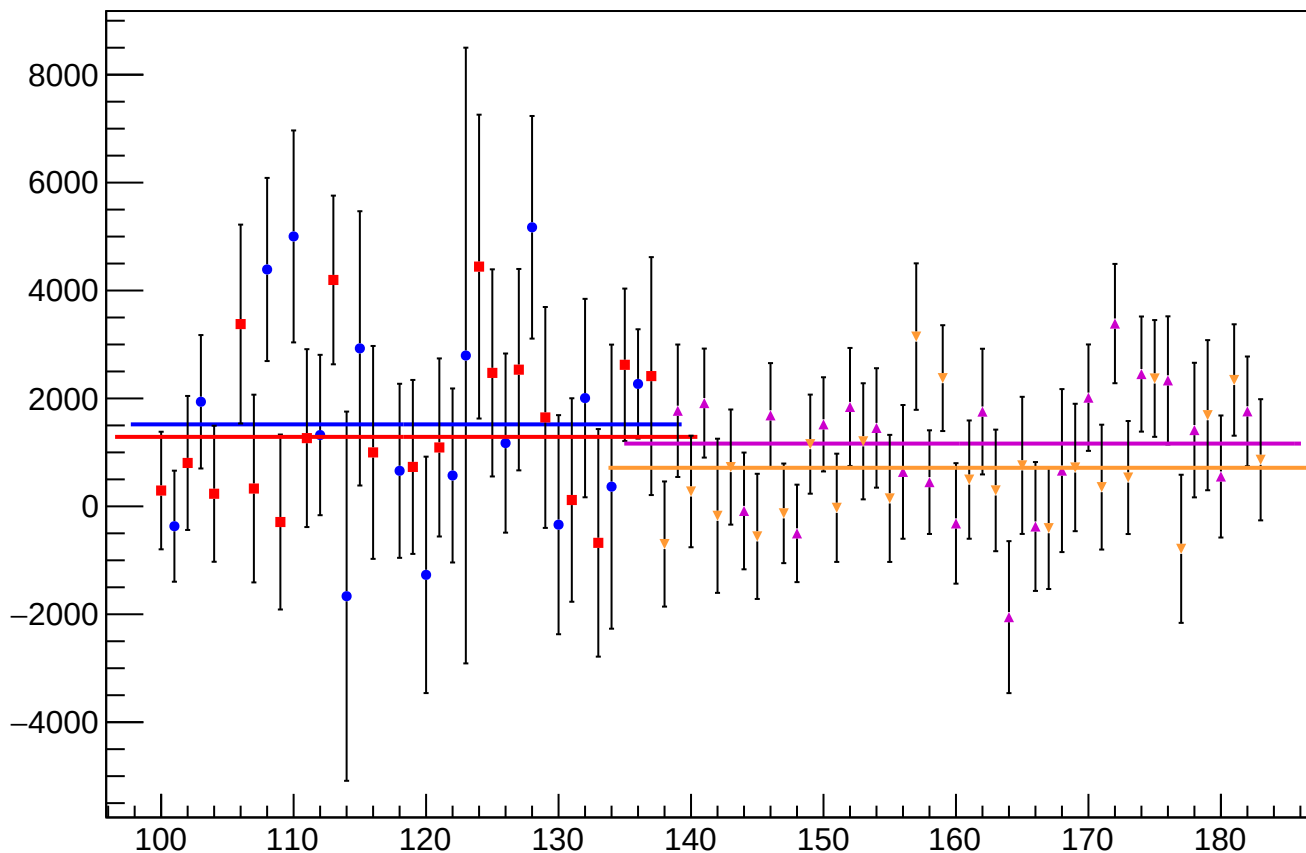
Right: 32.890 $\pm$ 0.027 χ^2 /NDF: 25824737.5/35

In: 772.004 $\pm$ 0.114 χ^2 /NDF: 1596676.8/38

Out: 54.330 $\pm$ 0.027 χ^2 /NDF: 46068489.4/42

All: 92.190 $\pm$ 0.026 χ^2 /NDF: 85119489.4/81

asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1519.485 $\pm$ 402.890 χ^2/NDF : 17.8/16

Left Out: 714.532 $\pm$ 227.346 χ^2/NDF : 19.2/23

Right Out: 1287.537 $\pm$ 376.679 χ^2/NDF : 12.4/18

Left In: 1163.288 $\pm$ 232.488 χ^2/NDF : 24.1/21

Left: 933.893 $\pm$ 162.545 χ^2/NDF : 45.2/45

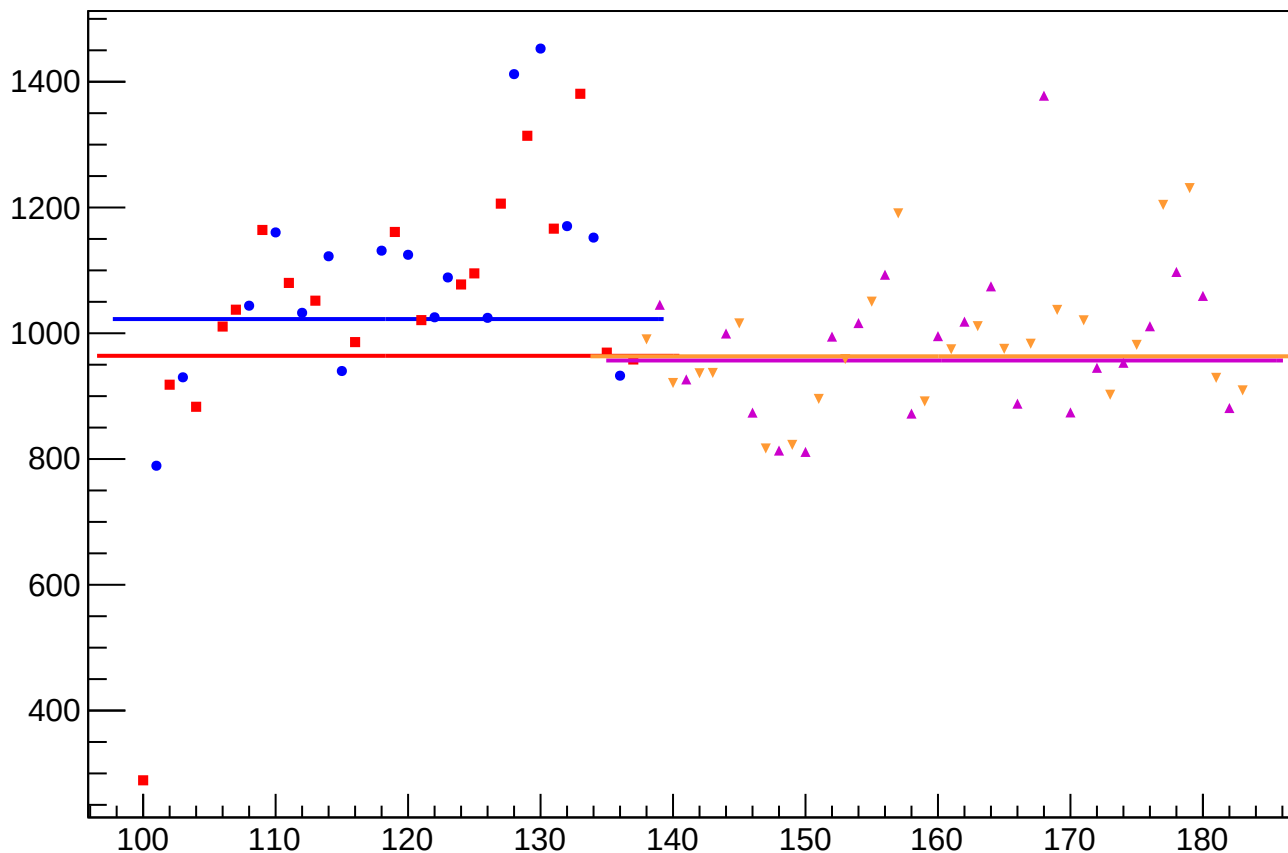
Right: 1395.721 $\pm$ 275.152 χ^2/NDF : 30.3/35

In: 1252.268 $\pm$ 201.366 χ^2/NDF : 42.5/38

Out: 867.531 $\pm$ 194.642 χ^2/NDF : 33.3/42

All: 1053.368 $\pm$ 139.950 χ^2/NDF : 77.6/81

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1022.583+/-0.285 χ^2/NDF : 336434.0/16

Left Out: 963.373+/-0.161 χ^2/NDF :361907.9/23

Right Out: 964.149+/-0.266 χ^2/NDF : 1068768.6/18

Left In: 956.722+/-0.164 χ^2/NDF :439364.9/21

Left: 960.122+/-0.115 χ^2/NDF : 802109.5/45

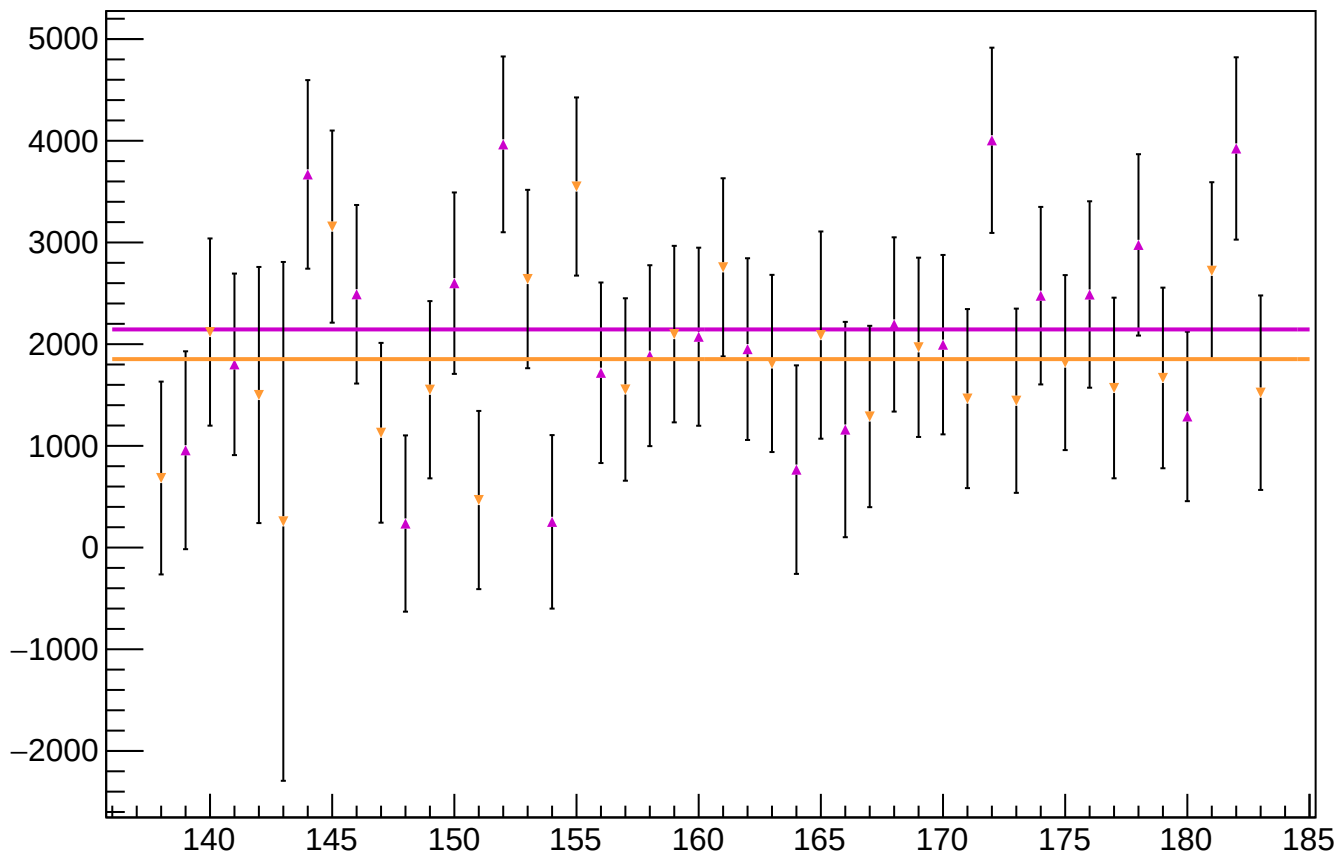
Right: 991.404+/-0.195 χ^2/NDF : 1427651.0/35

In: 973.174+/-0.142 χ^2/NDF :815893.6/38

Out: 963.580+/-0.138 χ^2/NDF :1430682.8/42

All: 968.214+/-0.099 χ^2/NDF : 2248923.5/81

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1852.983+/-188.280 χ^2/NDF :15.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2144.910+/-191.373 χ^2/NDF :32.3/21

Left: 1996.568+/-134.214 χ^2/NDF : 48.7/45

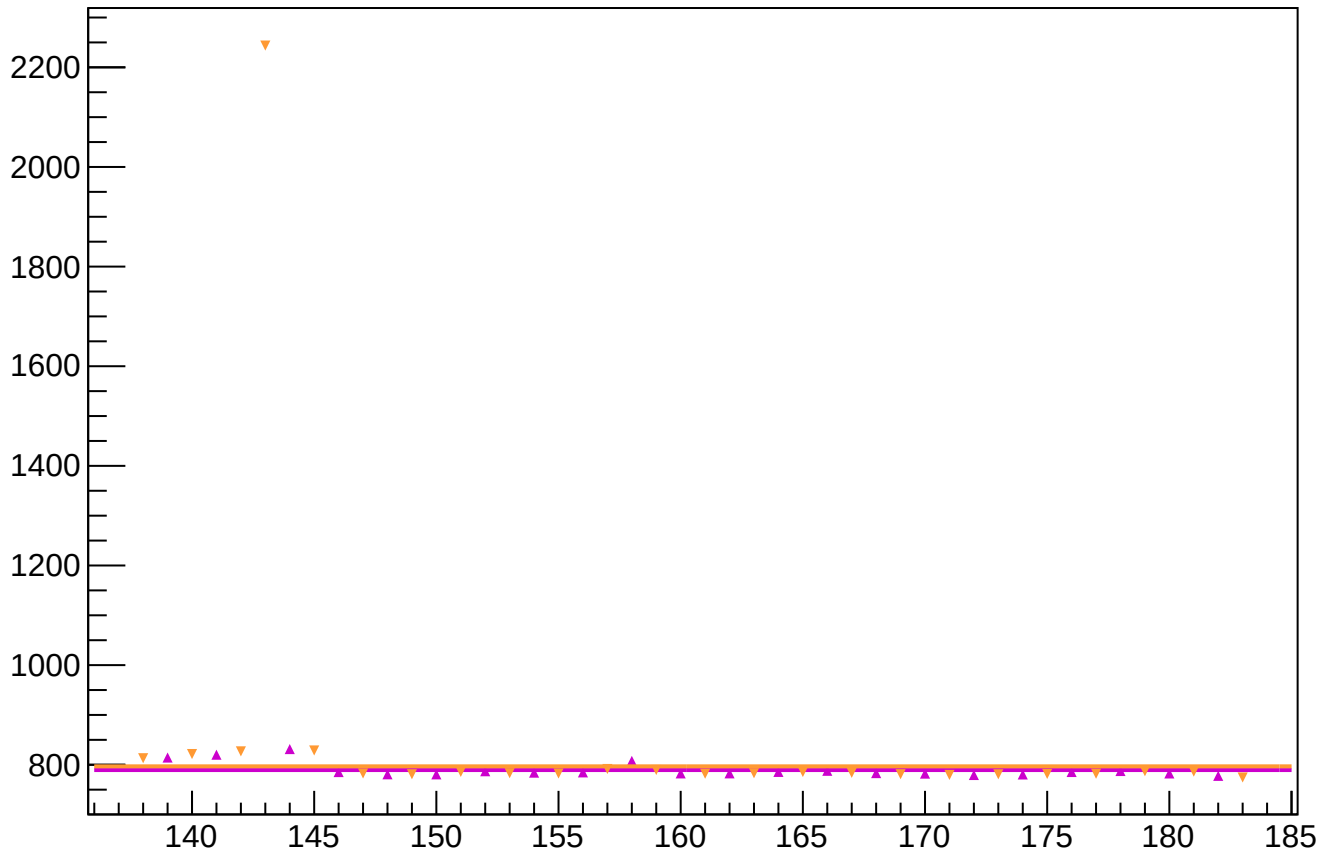
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2144.910+/-191.373 χ^2/NDF :32.3/21

Out: 1852.983+/-188.280 χ^2/NDF :15.2/23

All: 1996.568+/-134.214 χ^2/NDF : 48.7/45

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 796.819+/-0.133 χ^2/NDF : 658255.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 789.361+/-0.135 χ^2/NDF : 10714.5/21

Left: 793.151+/-0.095 χ^2/NDF : 670513.2/45

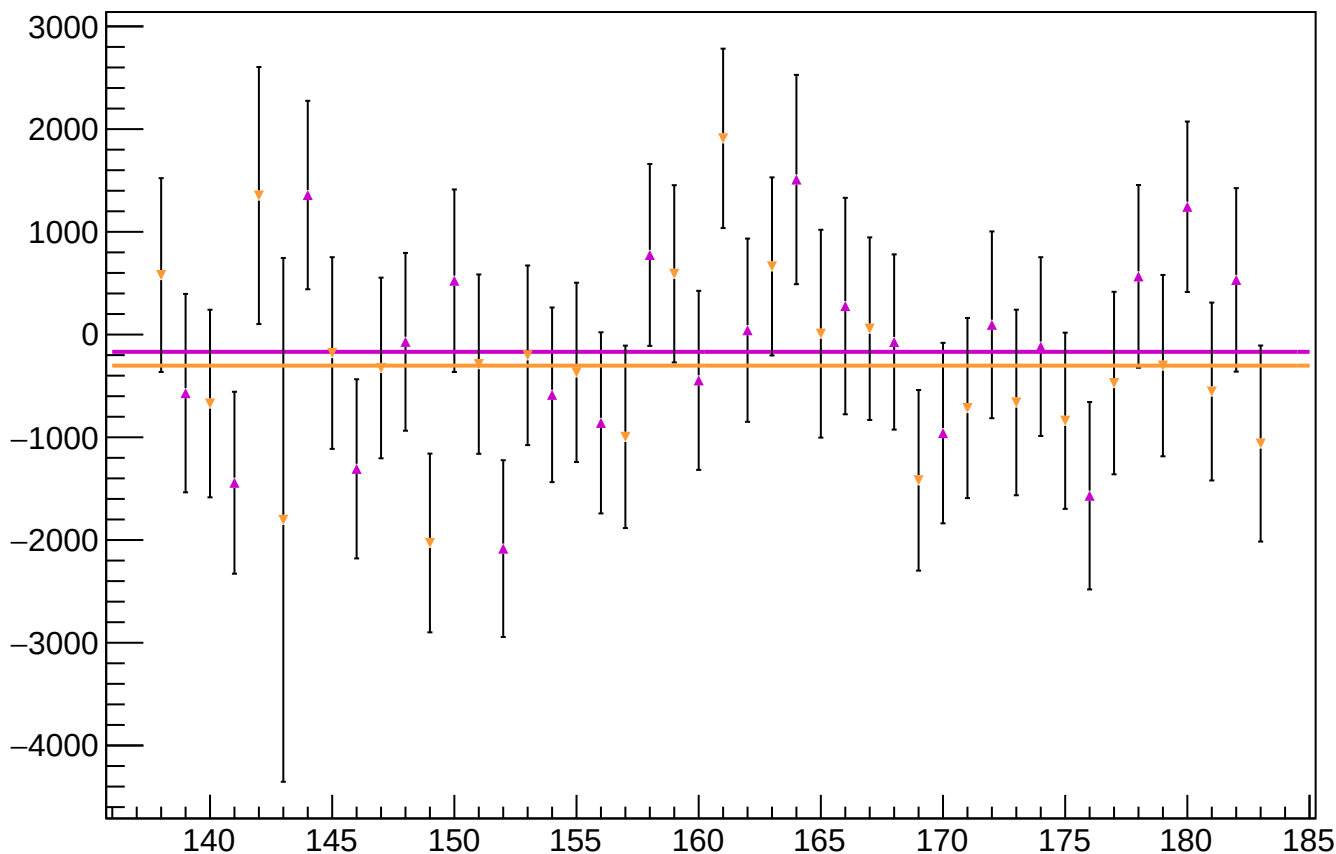
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 789.361+/-0.135 χ^2/NDF : 10714.5/21

Out: 796.819+/-0.133 χ^2/NDF : 658255.2/23

All: 793.151+/-0.095 χ^2/NDF : 670513.2/45

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -302.267+/-187.404 χ^2/NDF :19.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -168.078+/-190.477 χ^2/NDF :24.8/21

Left: -236.264+/-133.588 χ^2/NDF : 44.9/45

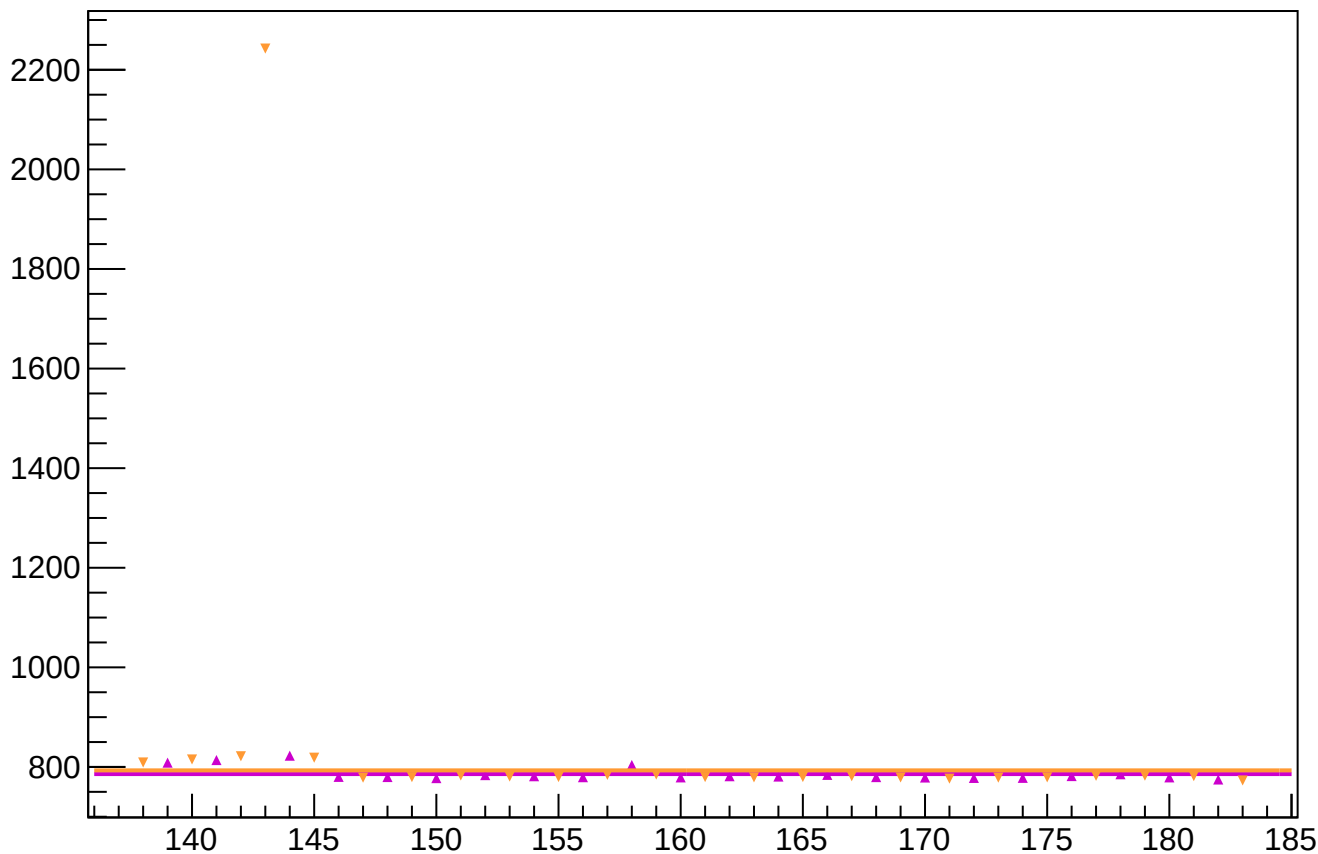
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -168.078+/-190.477 χ^2/NDF :24.8/21

Out: -302.267+/-187.404 χ^2/NDF :19.9/23

All: -236.264+/-133.588 χ^2/NDF : 44.9/45

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 793.133+/-0.133 χ^2/NDF :659099.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 785.699+/-0.135 χ^2/NDF :8950.7/21

Left: 789.477+/-0.094 χ^2/NDF : 669598.1/45

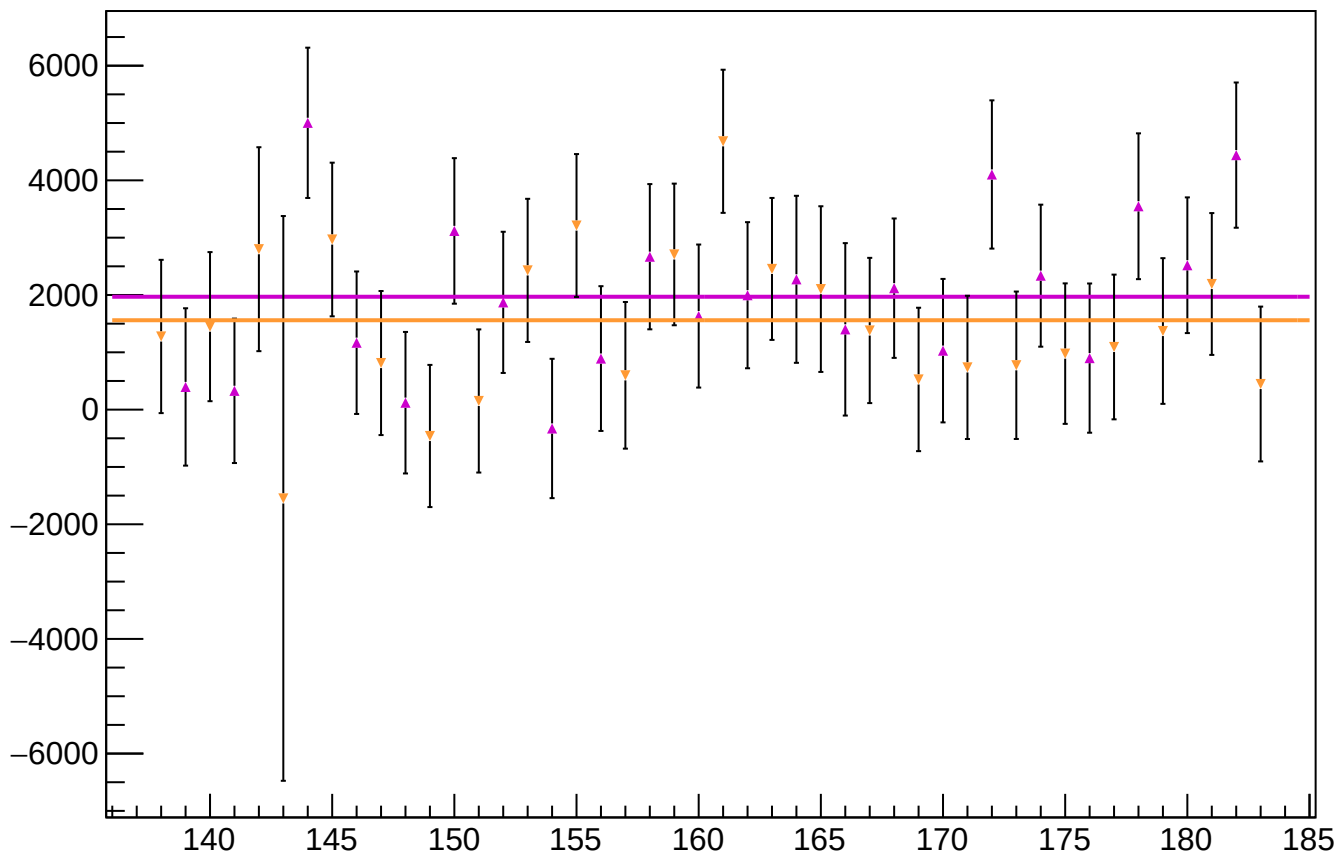
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 785.699+/-0.135 χ^2/NDF :8950.7/21

Out: 793.133+/-0.133 χ^2/NDF :659099.5/23

All: 789.477+/-0.094 χ^2/NDF : 669598.1/45

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1559.348+/-267.890 χ^2/NDF :19.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1969.226+/-271.823 χ^2/NDF :26.3/21

Left: 1761.300+/-190.802 χ^2/NDF : 47.2/45

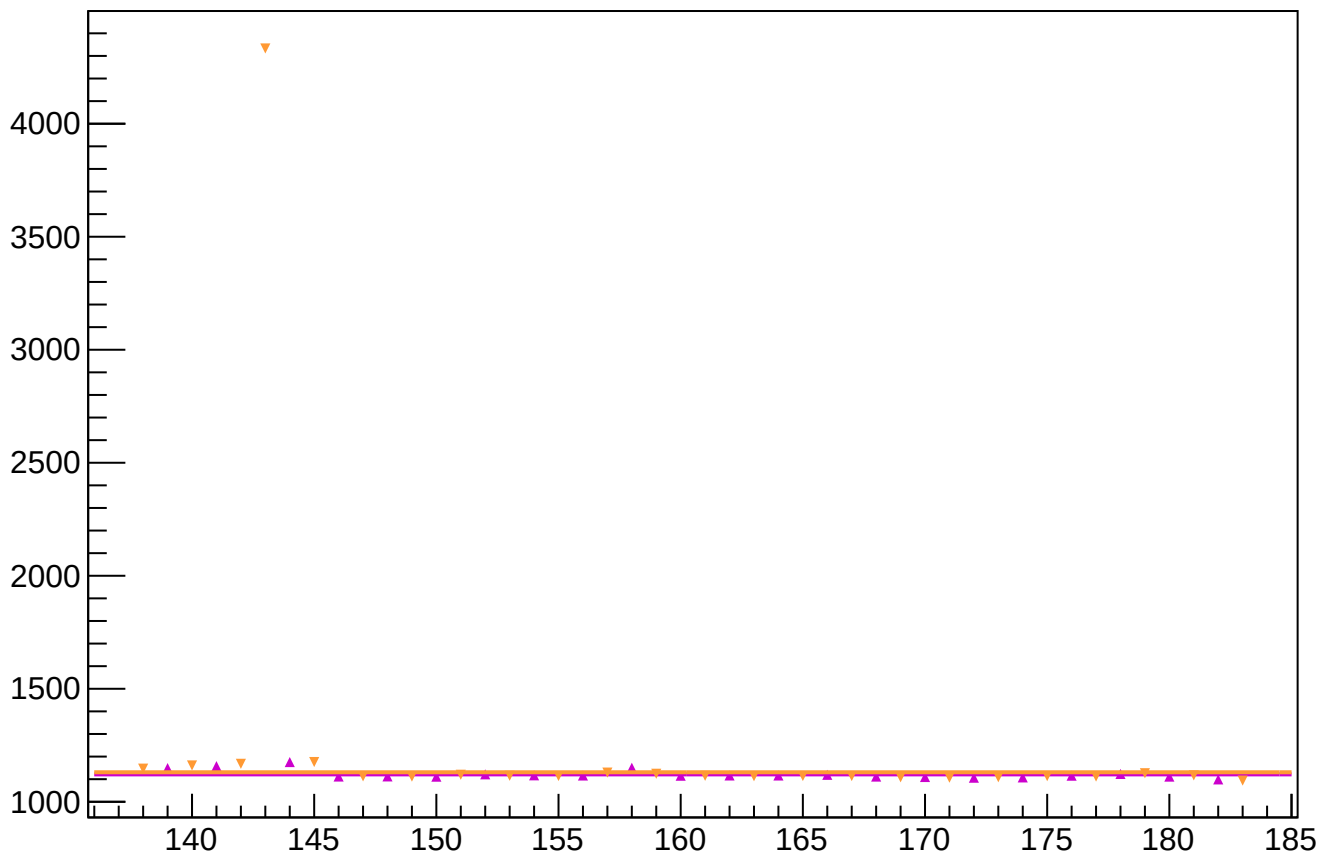
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1969.226+/-271.823 χ^2/NDF :26.3/21

Out: 1559.348+/-267.890 χ^2/NDF :19.7/23

All: 1761.300+/-190.802 χ^2/NDF : 47.2/45

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1130.601+/-0.189 χ^2/NDF : 857442.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1121.232+/-0.192 χ^2/NDF : 9122.5/21

Left: 1125.985+/-0.135 χ^2/NDF : 867770.2/45

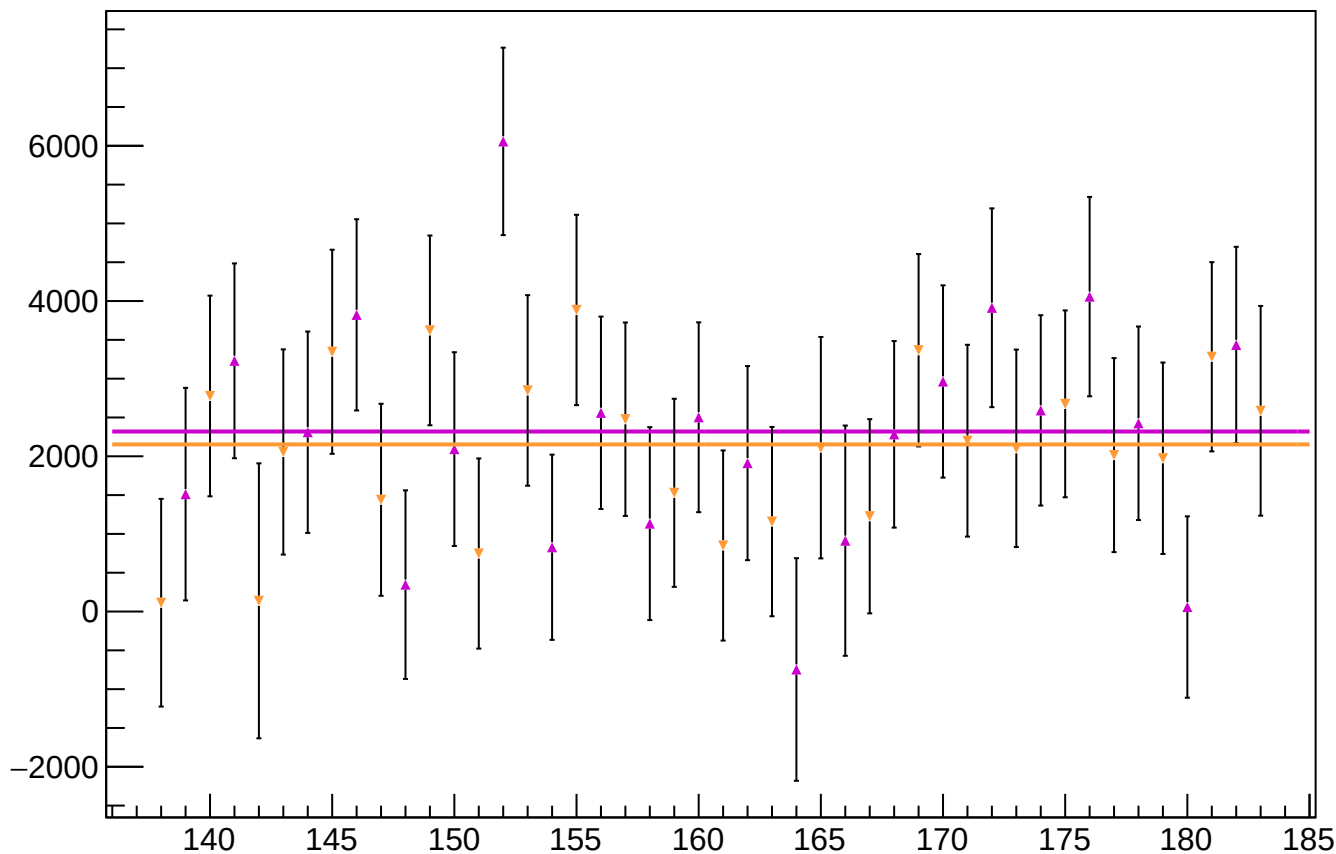
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1121.232+/-0.192 χ^2/NDF : 9122.5/21

Out: 1130.601+/-0.189 χ^2/NDF : 857442.4/23

All: 1125.985+/-0.135 χ^2/NDF : 867770.2/45

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 2152.835+/-259.304 χ^2/NDF :14.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2319.127+/-268.176 χ^2/NDF :31.0/21

Left: 2233.185+/-186.413 χ^2/NDF : 46.1/45

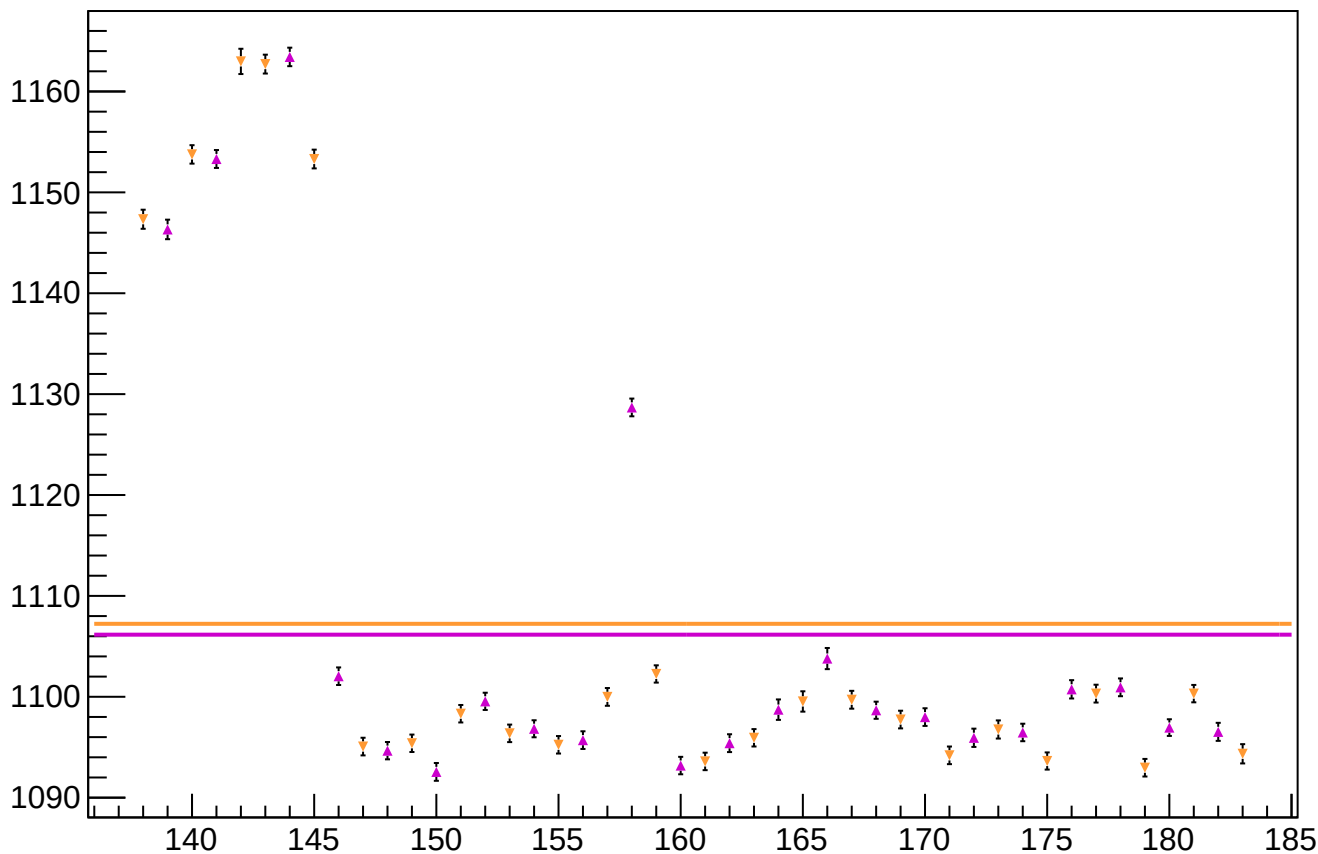
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2319.127+/-268.176 χ^2/NDF :31.0/21

Out: 2152.835+/-259.304 χ^2/NDF :14.9/23

All: 2233.185+/-186.413 χ^2/NDF : 46.1/45

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 1107.232 ± 0.183 χ^2/NDF : 15141.8/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: 1106.156 ± 0.190 χ^2/NDF : 11023.0/21

Left: 1106.712 ± 0.132 χ^2/NDF : 26181.4/45

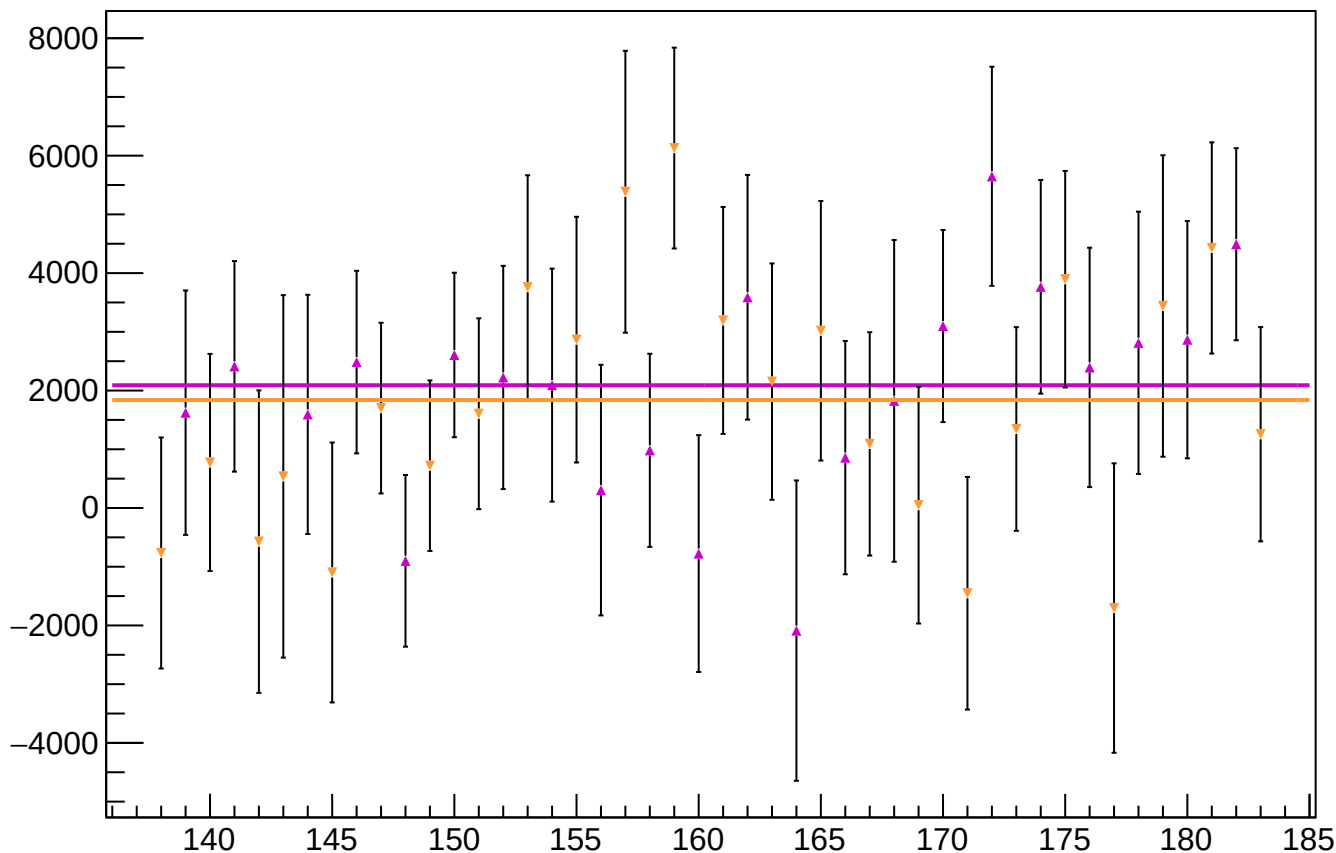
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: 1106.156 ± 0.190 χ^2/NDF : 11023.0/21

Out: 1107.232 ± 0.183 χ^2/NDF : 15141.8/23

All: 1106.712 ± 0.132 χ^2/NDF : 26181.4/45

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 1838.957 $\pm$ 395.071 χ^2 /NDF:25.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 2090.283 $\pm$ 397.317 χ^2 /NDF:18.6/21

Left: 1963.908 $\pm$ 280.148 χ^2 /NDF: 44.5/45

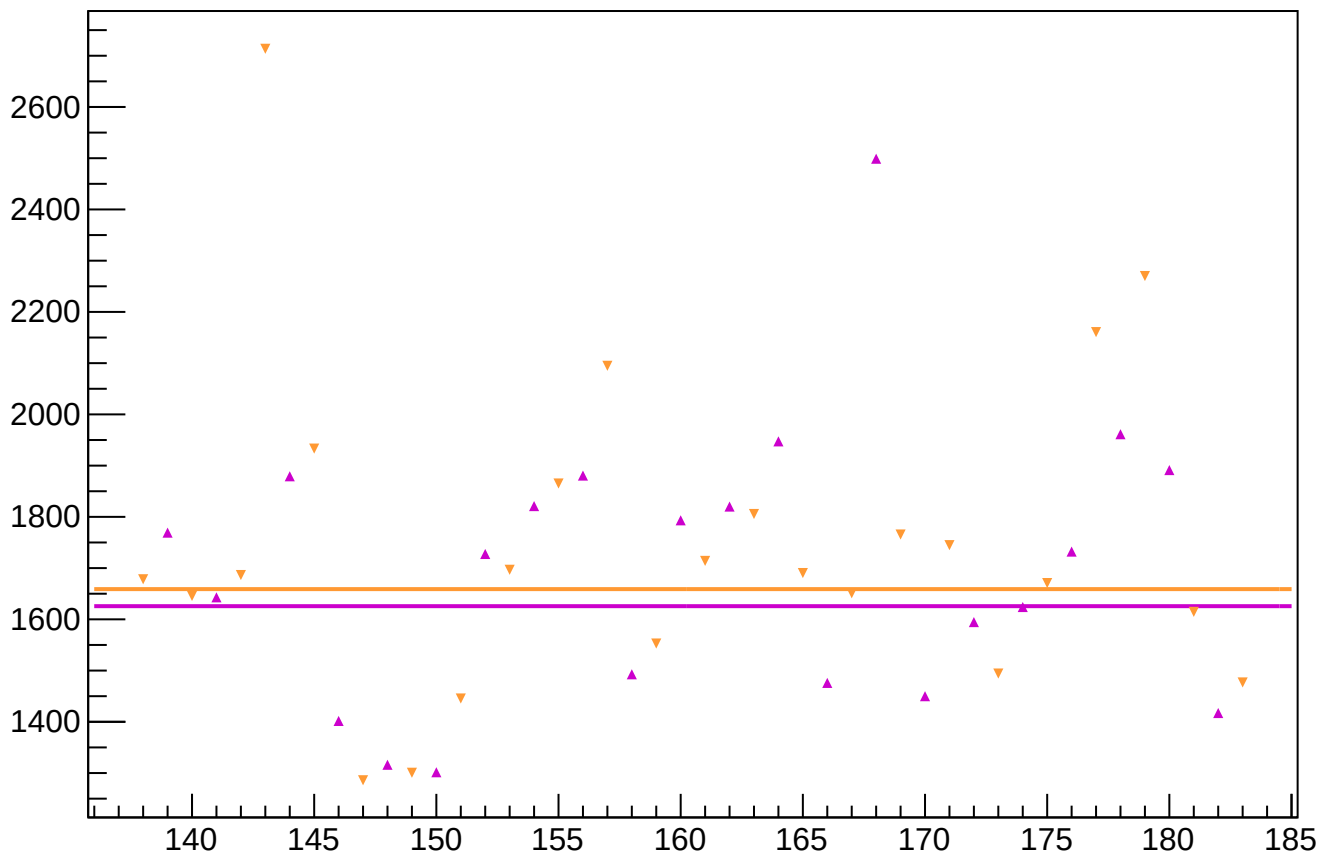
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 2090.283 $\pm$ 397.317 χ^2 /NDF:18.6/21

Out: 1838.957 $\pm$ 395.071 χ^2 /NDF:25.7/23

All: 1963.908 $\pm$ 280.148 χ^2 /NDF: 44.5/45

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 1658.982+/-0.279 χ^2 /NDF:904421.2/23

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 1625.694+/-0.281 χ^2 /NDF:764595.8/21

Left: 1642.432+/-0.198 χ^2 /NDF: 1676076.5/45

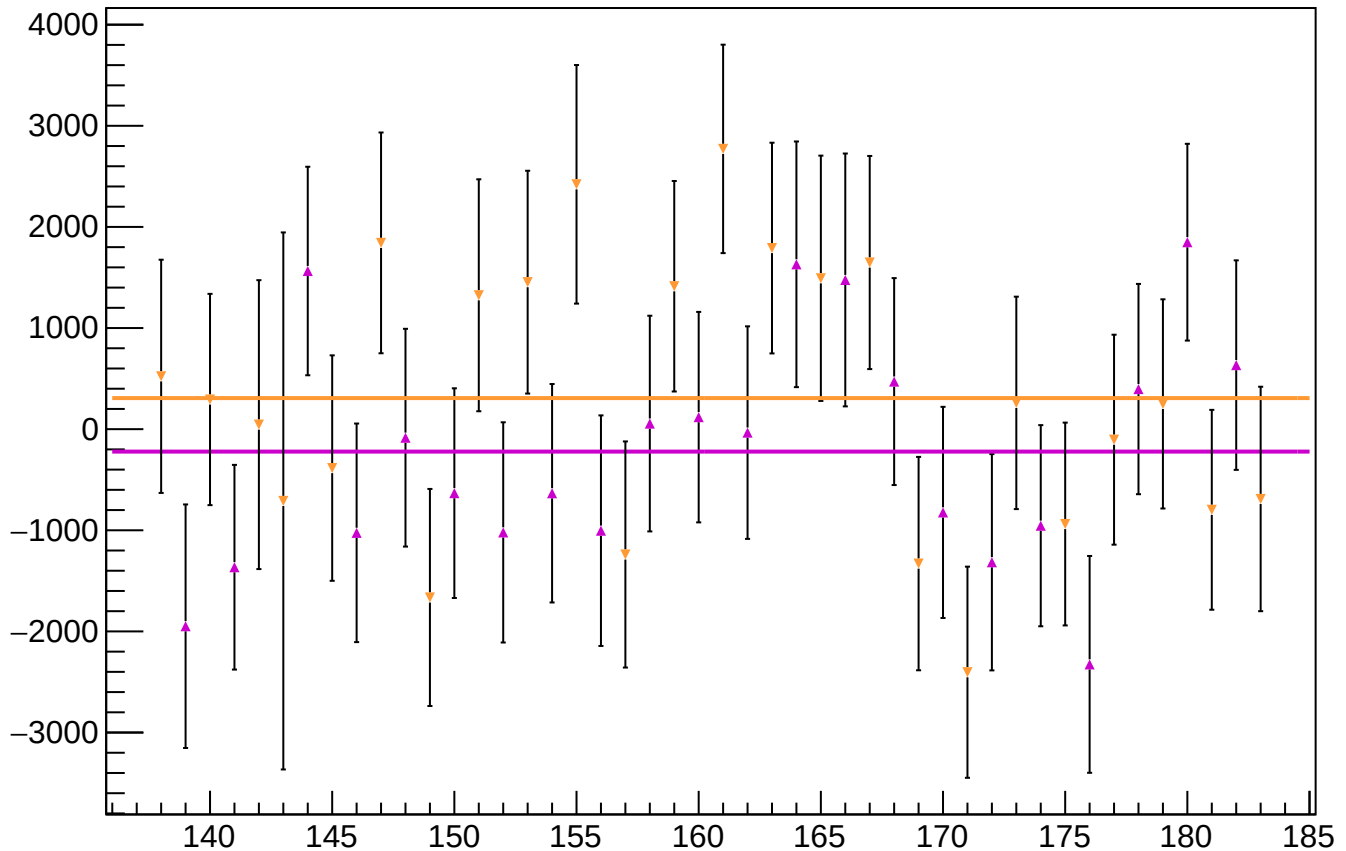
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 1625.694+/-0.281 χ^2 /NDF:764595.8/21

Out: 1658.982+/-0.279 χ^2 /NDF:904421.2/23

All: 1642.432+/-0.198 χ^2 /NDF: 1676076.5/45

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 307.326 ± 225.325 χ^2/NDF : 37.3/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -221.809 ± 227.676 χ^2/NDF : 24.4/21

Left: 45.505 ± 160.154 χ^2/NDF : 64.4/45

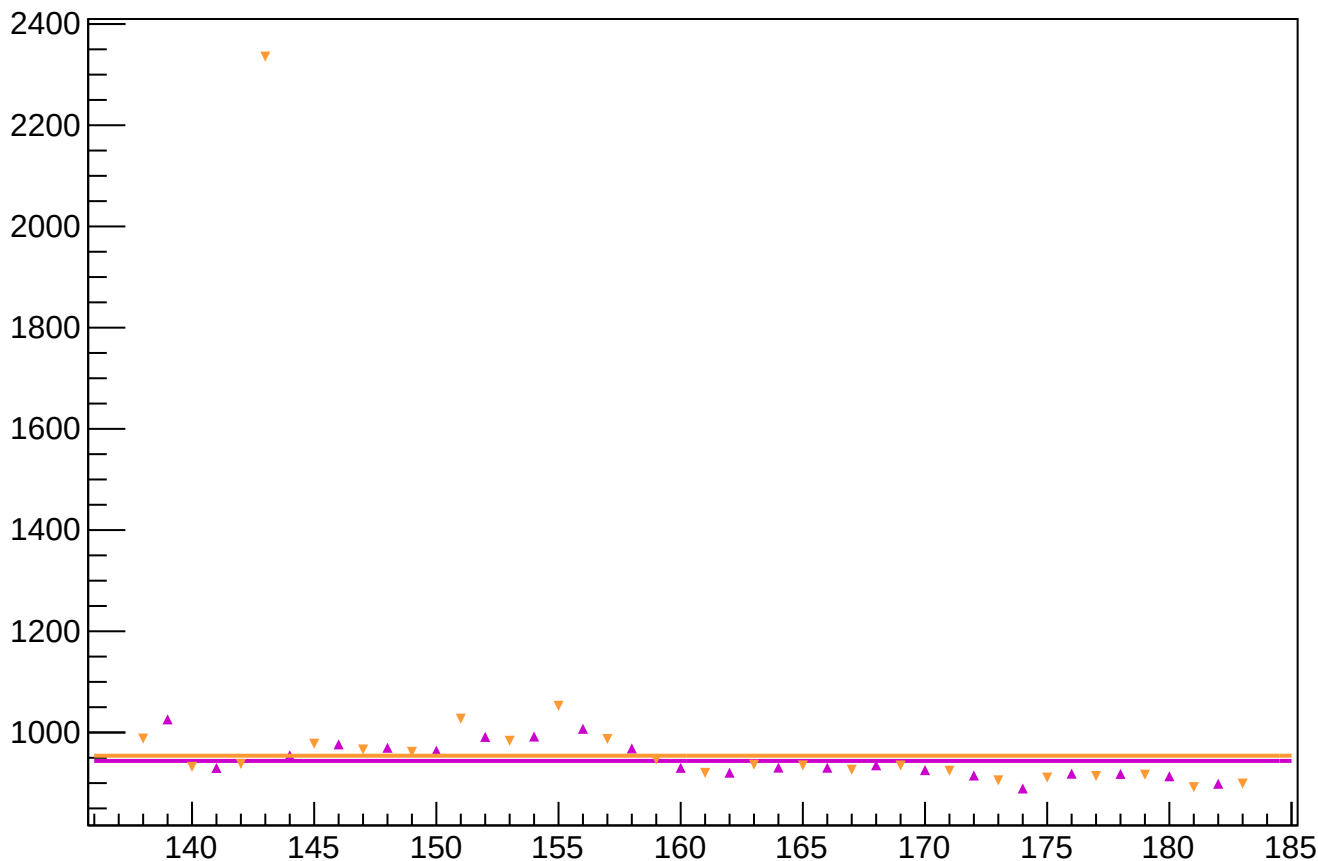
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -221.809 ± 227.676 χ^2/NDF : 24.4/21

Out: 307.326 ± 225.325 χ^2/NDF : 37.3/23

All: 45.505 ± 160.154 χ^2/NDF : 64.4/45

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 954.110+/-0.159 χ^2/NDF :604252.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 943.804+/-0.161 χ^2/NDF :46765.2/21

Left: 949.011+/-0.113 χ^2/NDF : 653088.3/45

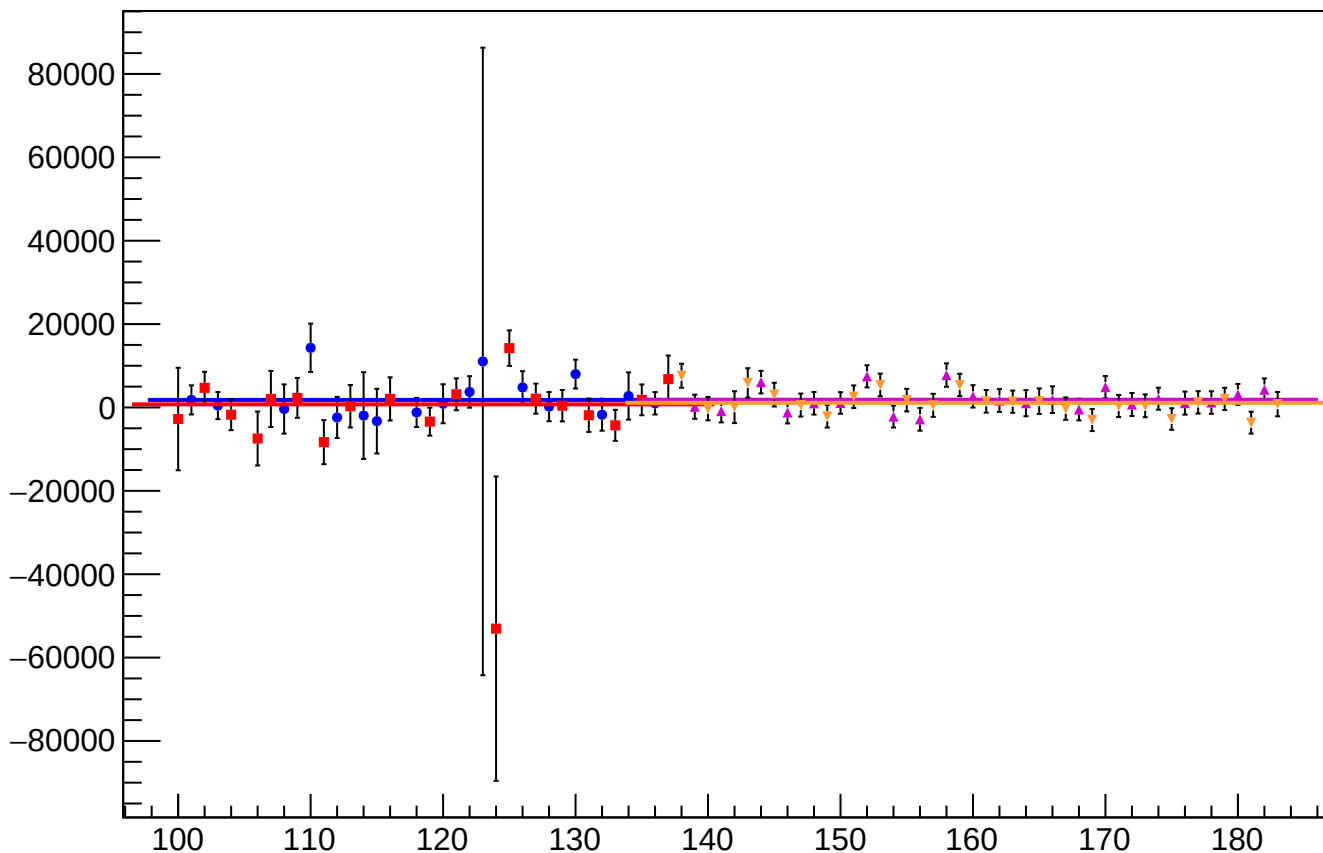
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 943.804+/-0.161 χ^2/NDF :46765.2/21

Out: 954.110+/-0.159 χ^2/NDF :604252.8/23

All: 949.011+/-0.113 χ^2/NDF : 653088.3/45

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1807.995+/-1015.862 χ^2/NDF : 12.3/16

Left Out: 1120.990+/-568.096 χ^2/NDF : 23.2/23

Right Out: 739.633+/-1026.876 χ^2/NDF : 24.1/18

Left In: 1848.386+/-580.828 χ^2/NDF : 23.2/21

Left: 1476.628+/-406.131 χ^2/NDF : 47.2/45

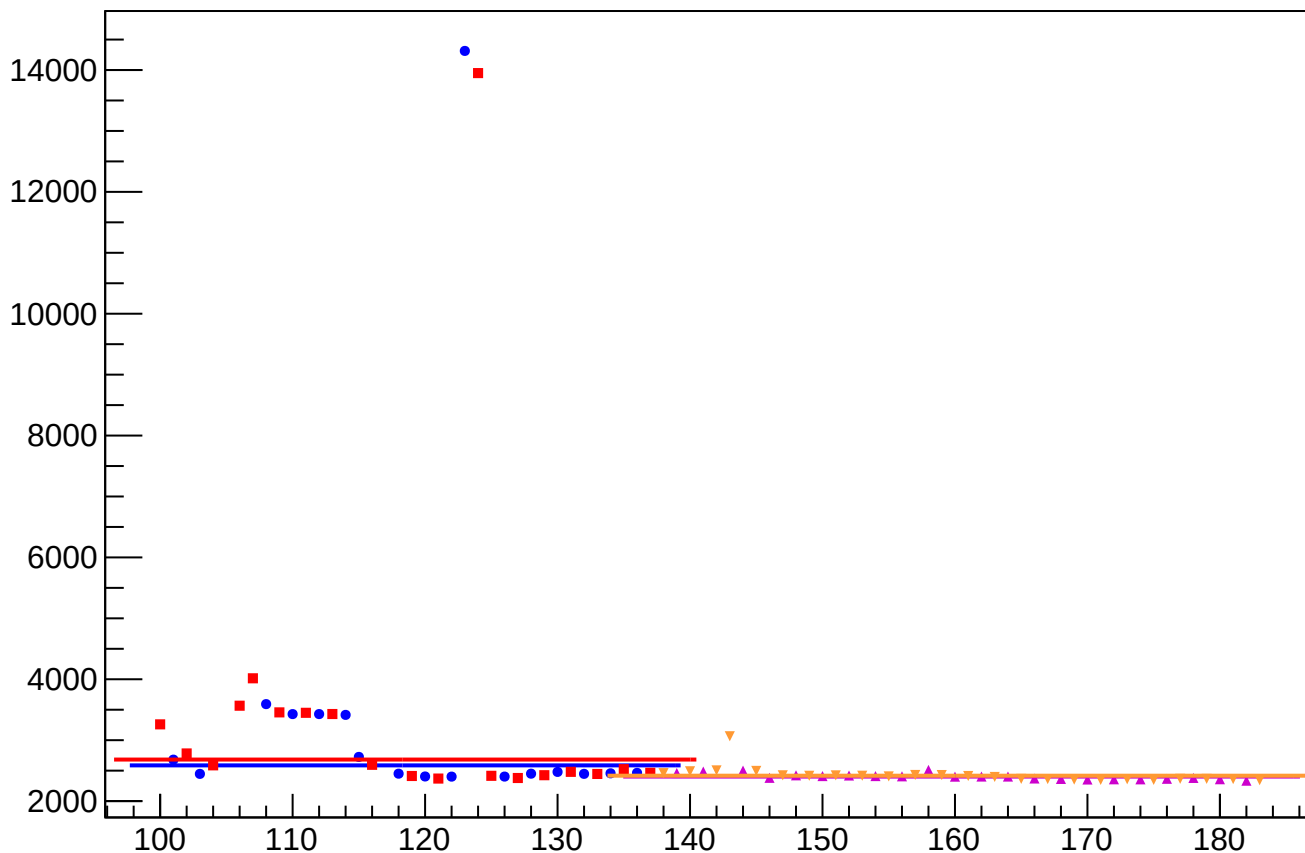
Right: 1279.574+/-722.186 χ^2/NDF : 36.9/35

In: 1838.435+/-504.228 χ^2/NDF : 35.4/38

Out: 1031.623+/-497.096 χ^2/NDF : 47.4/42

All: 1429.283+/-353.995 χ^2/NDF : 84.2/81

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2586.401+/-0.718 χ^2/NDF : 253848.4/16

Left Out: 2417.057+/-0.402 χ^2/NDF : 82170.9/23

Right Out: 2682.004+/-0.726 χ^2/NDF : 529065.5/18

Left In: 2402.384+/-0.411 χ^2/NDF : 13423.2/21

Left: 2409.883+/-0.287 χ^2/NDF : 96246.4/45

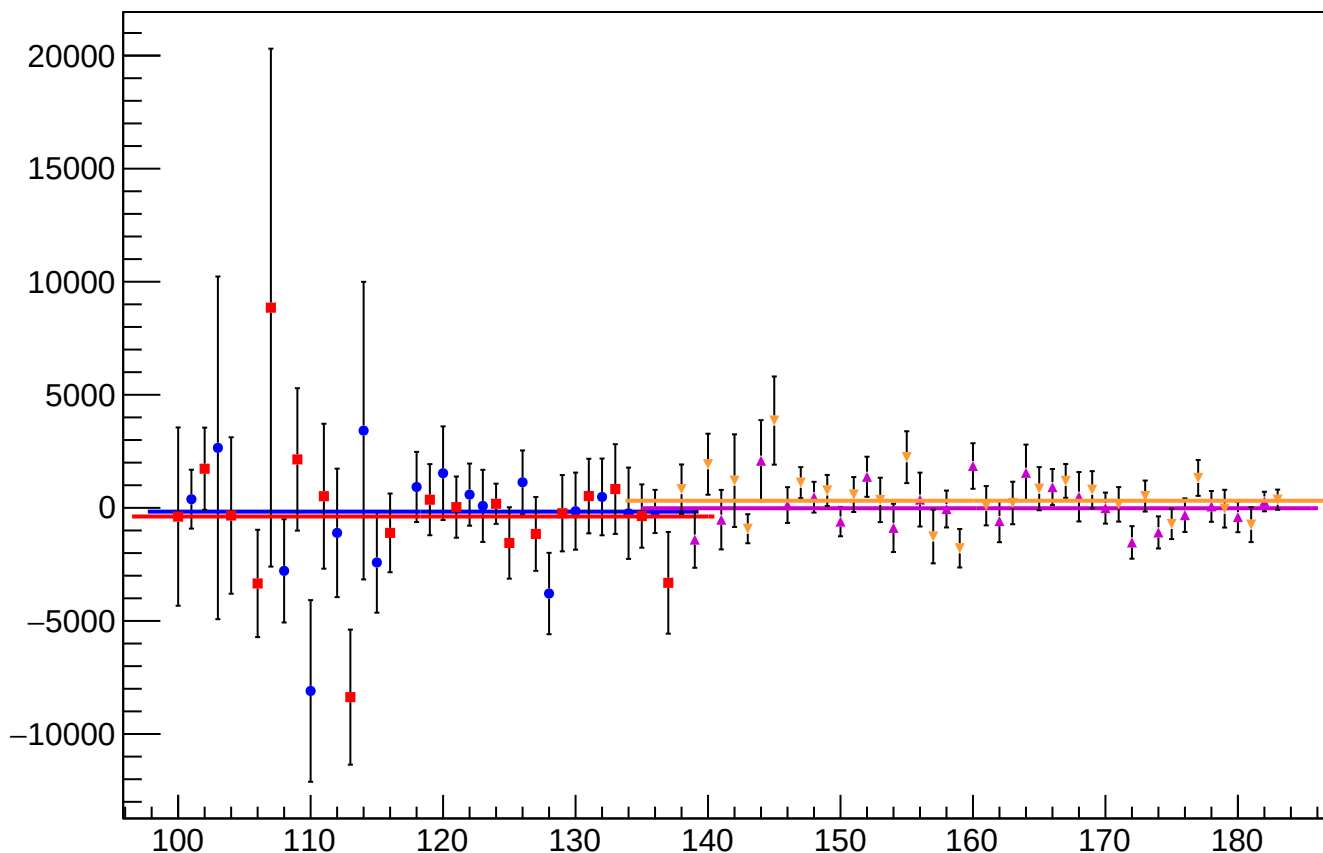
Right: 2633.687+/-0.511 χ^2/NDF : 791675.3/35

In: 2447.720+/-0.357 χ^2/NDF : 316729.5/38

Out: 2479.145+/-0.351 χ^2/NDF : 713177.4/42

All: 2463.656+/-0.250 χ^2/NDF : 1033846.5/81

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -166.806 $\pm$ 421.387 χ^2 /NDF: 13.5/16

Left Out: 314.687 $\pm$ 164.956 χ^2 /NDF:29.7/23

Right Out: -382.536 $\pm$ 410.020 χ^2 /NDF: 15.5/18

Left In: -17.428 $\pm$ 169.508 χ^2 /NDF:22.0/21

Left: 153.149 $\pm$ 118.218 χ^2 /NDF: 53.7/45

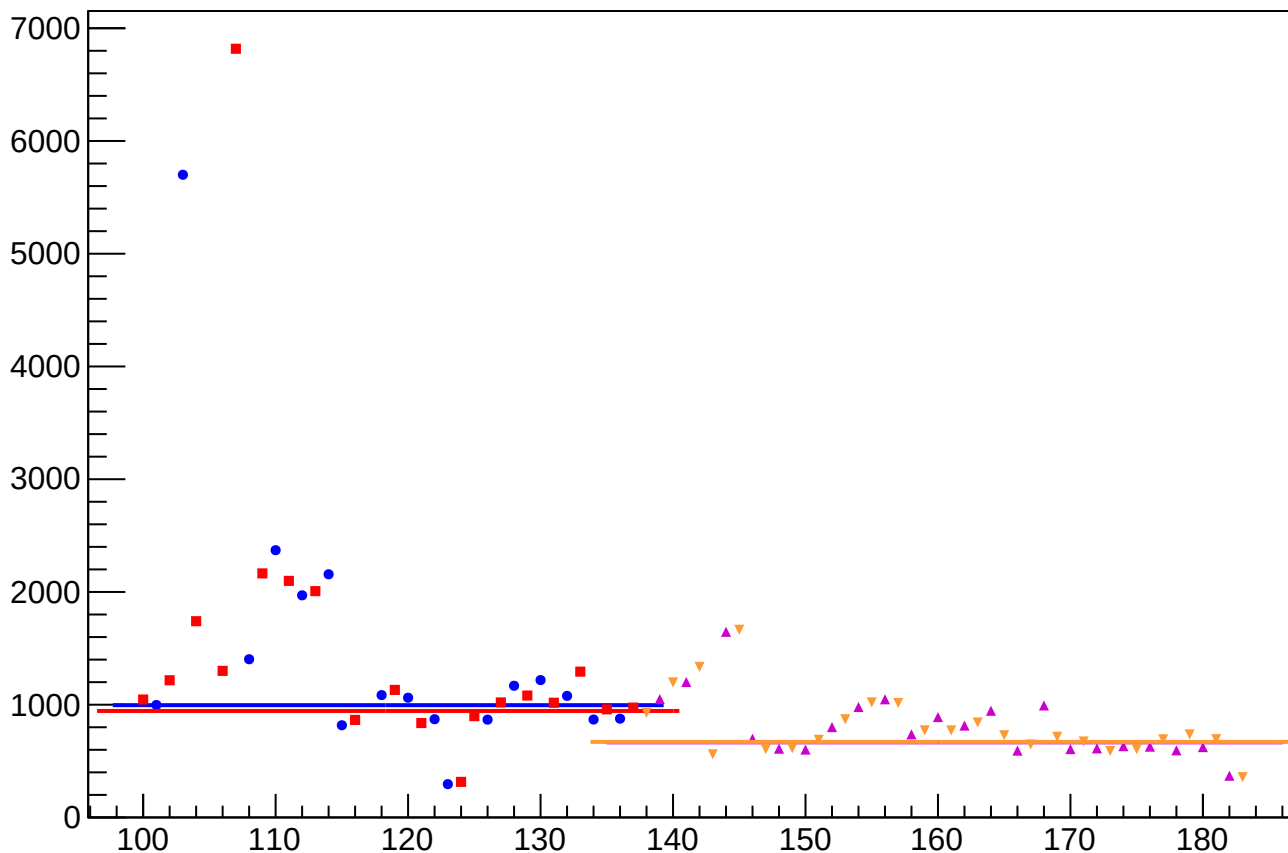
Right: -277.620 $\pm$ 293.864 χ^2 /NDF: 29.1/35

In: -38.233 $\pm$ 157.261 χ^2 /NDF:35.6/38

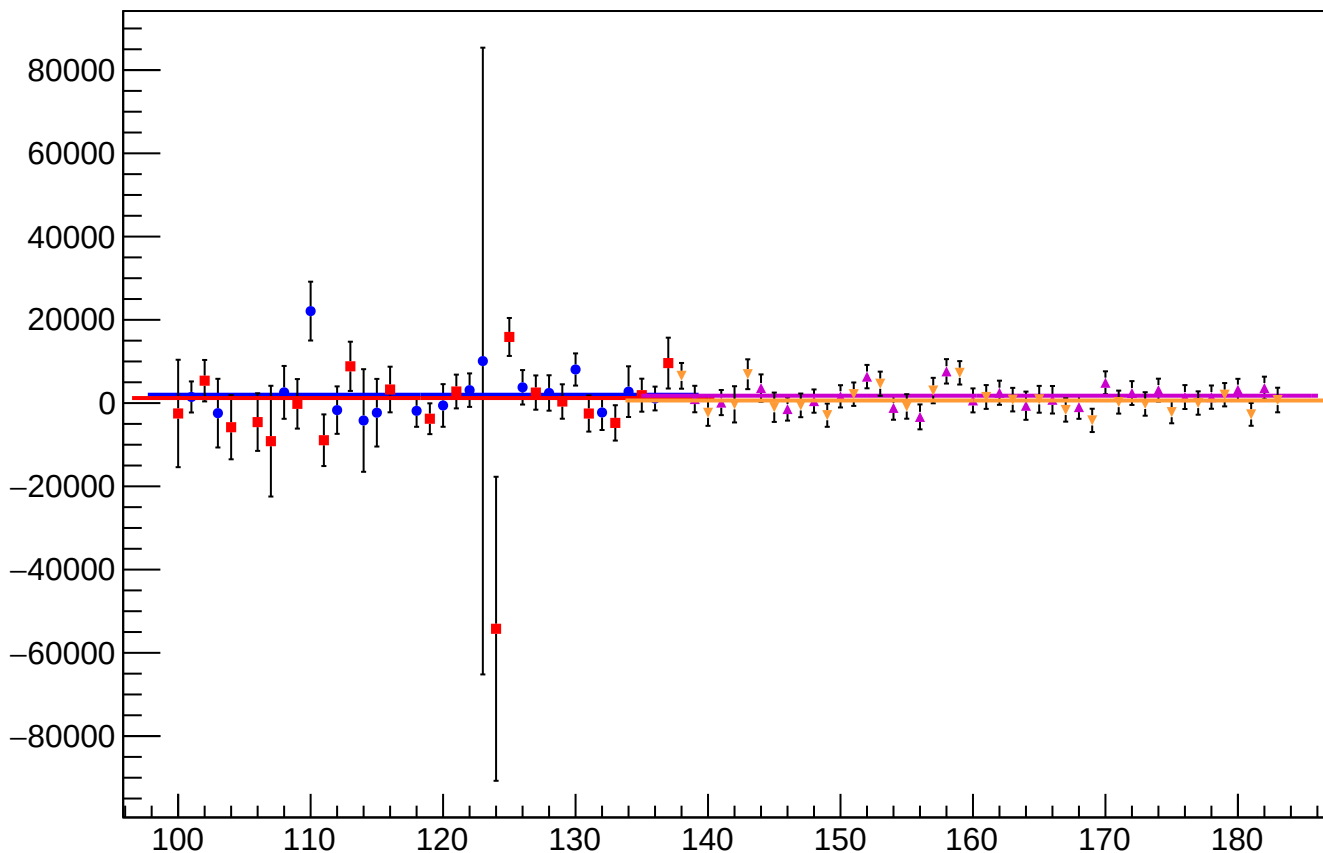
Out: 217.559 $\pm$ 153.035 χ^2 /NDF:47.7/42

All: 93.146 $\pm$ 109.676 χ^2 /NDF: 84.7/81

asym_atl1_correction_rms vs Slug, Sign Corrected



asym_atl1_mean vs Slug, Sign Corrected



Right In: 2009.141+/-1163.584 χ^2/NDF : 14.5/16

Left Out: 626.214+/-601.924 χ^2/NDF : 25.0/23

Right Out: 1208.755+/-1191.039 χ^2/NDF : 26.8/18

Left In: 1773.829+/-615.887 χ^2/NDF : 16.9/21

Left: 1186.865+/-430.476 χ^2/NDF : 43.7/45

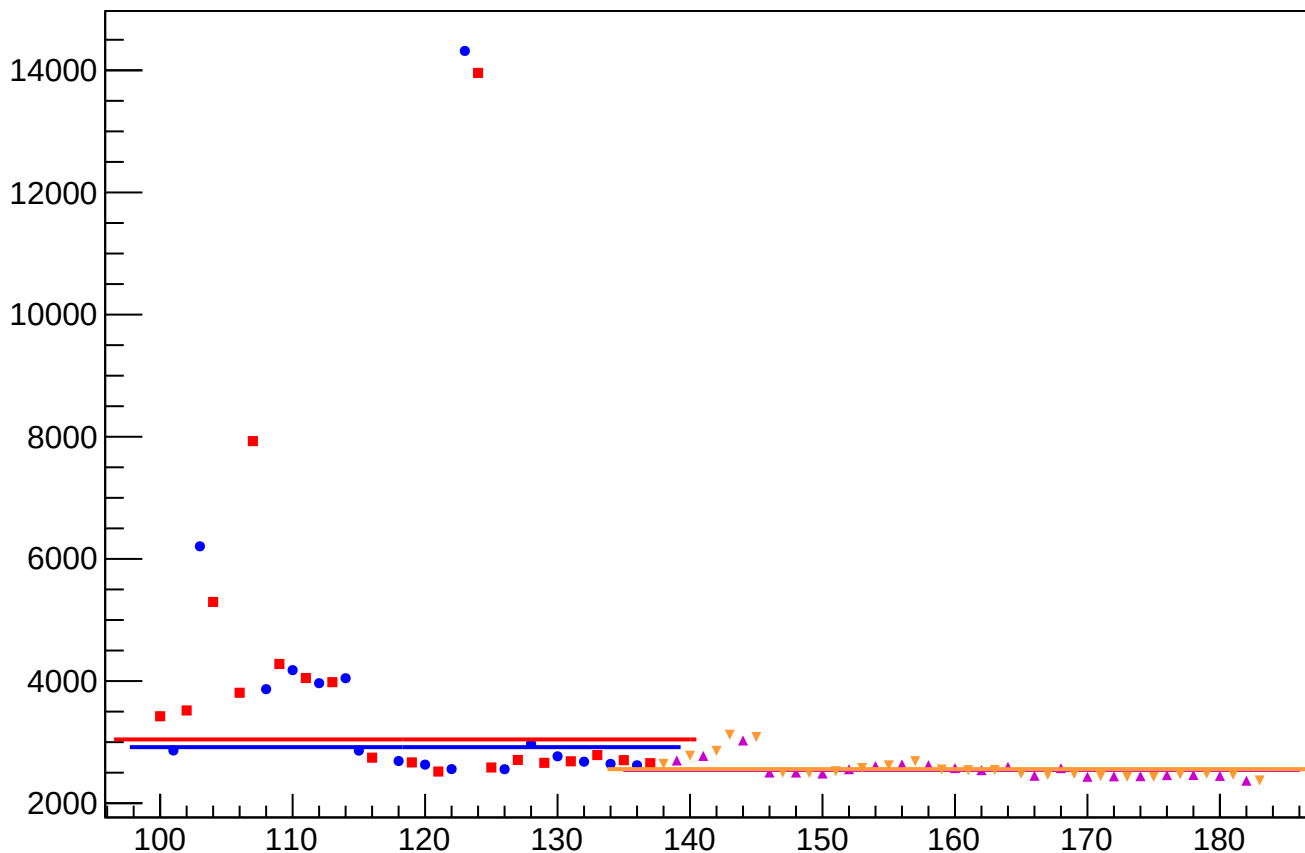
Right: 1618.280+/-832.315 χ^2/NDF : 41.6/35

In: 1825.327+/-544.338 χ^2/NDF : 31.5/38

Out: 744.729+/-537.217 χ^2/NDF : 52.0/42

All: 1277.913+/-382.363 χ^2/NDF : 85.5/81

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2918.002 $\pm$ 0.823 χ^2/NDF : 636720.5/16

Left Out: 2558.212 $\pm$ 0.426 χ^2/NDF : 151724.7/23

Right Out: 3044.483 $\pm$ 0.842 χ^2/NDF : 1006712.4/18

Left In: 2544.334 $\pm$ 0.435 χ^2/NDF : 91594.5/21

Left: 2551.432 $\pm$ 0.304 χ^2/NDF : 243838.5/45

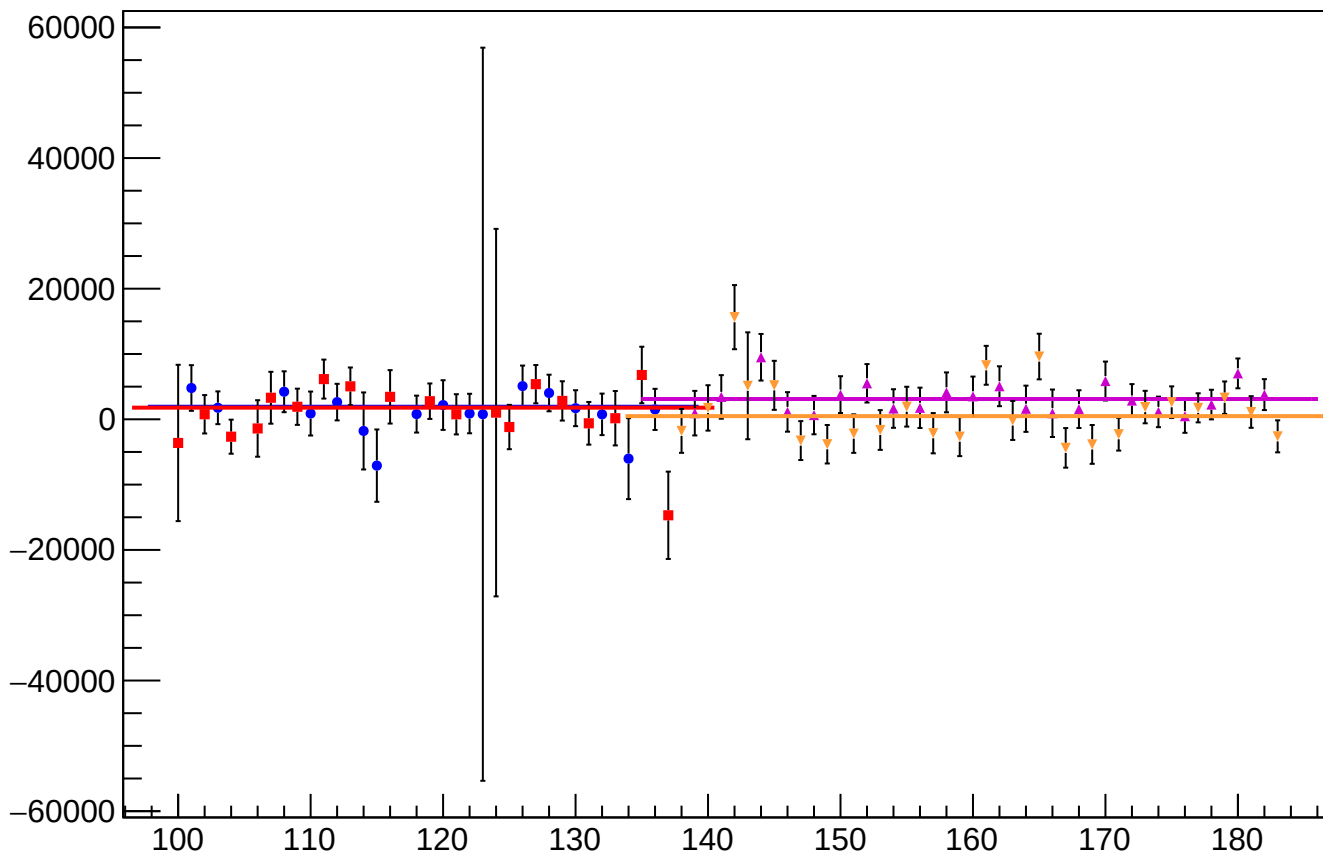
Right: 2979.768 $\pm$ 0.589 χ^2/NDF : 1654973.1/35

In: 2626.111 $\pm$ 0.385 χ^2/NDF : 889432.3/38

Out: 2657.142 $\pm$ 0.380 χ^2/NDF : 1423990.4/42

All: 2641.830 $\pm$ 0.270 χ^2/NDF : 2316715.2/83

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1924.076+/-813.616 χ^2/NDF : 8.1/16

Left Out: 484.637+/-597.962 χ^2/NDF : 43.1/23

Right Out: 1783.264+/-792.384 χ^2/NDF : 18.2/18

Left In: 3108.815+/-607.382 χ^2/NDF : 13.1/21

Left: 1776.220+/-426.114 χ^2/NDF : 65.7/45

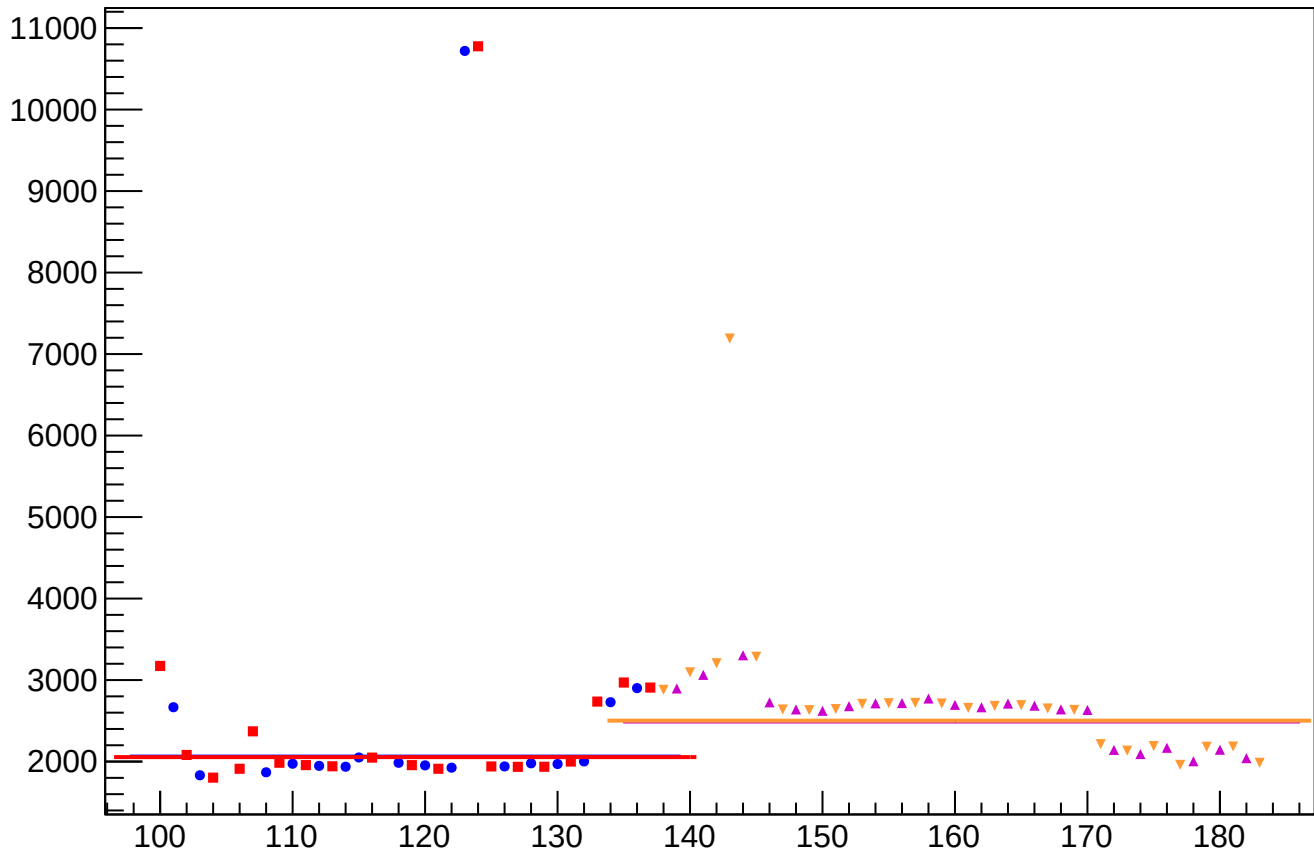
Right: 1851.809+/-567.658 χ^2/NDF : 26.3/35

In: 2684.843+/-486.717 χ^2/NDF : 22.5/38

Out: 955.837+/-477.305 χ^2/NDF : 63.1/42

All: 1803.462+/-340.785 χ^2/NDF : 92.0/81

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2060.723+/-0.575 χ^2/NDF : 317606.8/16

Left Out: 2501.957+/-0.423 χ^2/NDF :1326371.5/23

Right Out: 2054.686+/-0.560 χ^2/NDF : 441666.4/18

Left In: 2491.245+/-0.429 χ^2/NDF :637976.5/21

Left: 2496.685+/-0.301 χ^2/NDF : 1964663.9/45

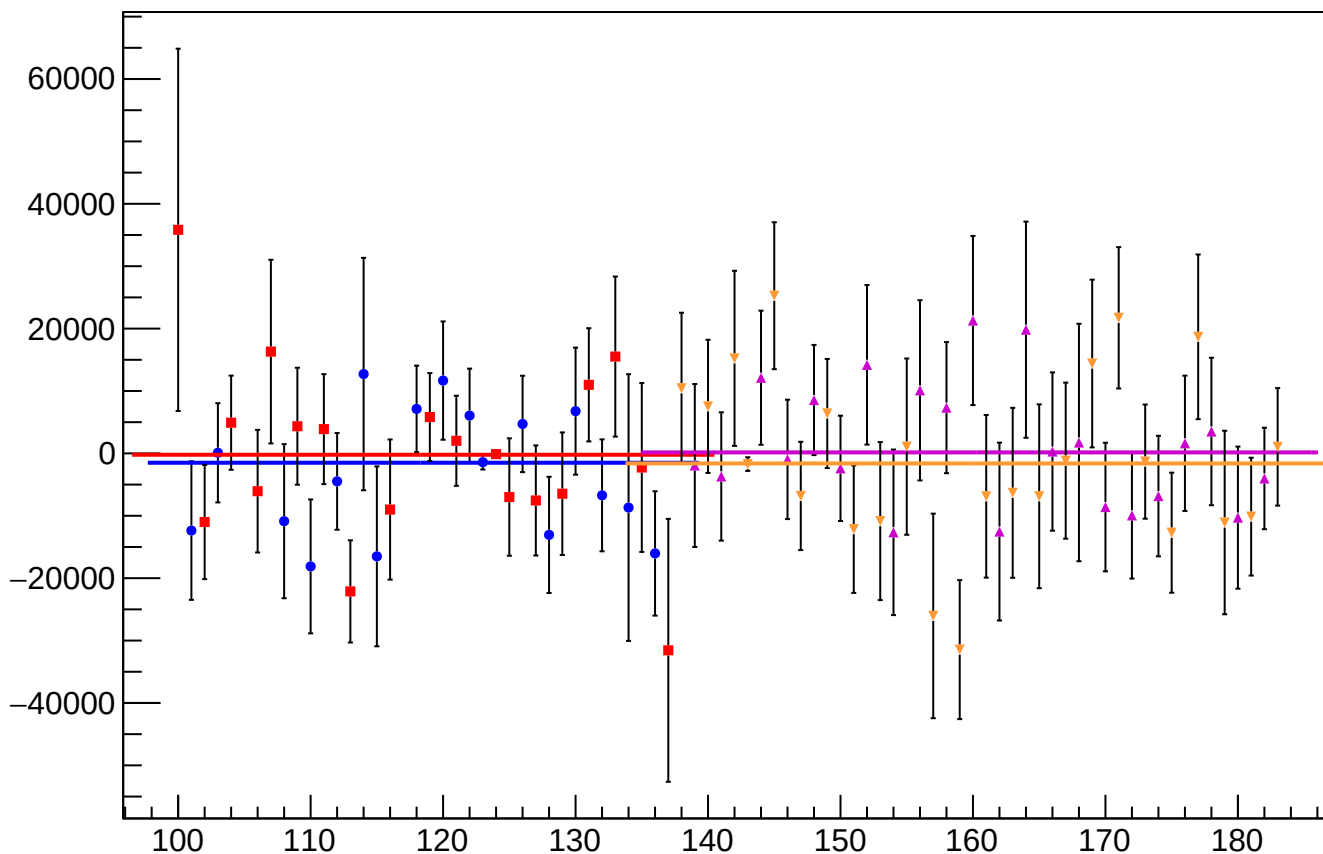
Right: 2057.625+/-0.401 χ^2/NDF : 759329.8/35

In: 2337.178+/-0.344 χ^2/NDF :1315176.2/38

Out: 2339.666+/-0.338 χ^2/NDF :2174058.7/42

All: 2338.446+/-0.241 χ^2/NDF : 3489261.6/81

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1500.129+/-1054.661 χ^2/NDF : 15.7/16

Left Out: -1611.732+/-995.144 χ^2/NDF : 31.7/23

Right Out: -219.966+/-695.338 χ^2/NDF : 21.0/18

Left In: 158.026+/-2366.933 χ^2/NDF : 13.5/21

Left: -1345.890+/-917.362 χ^2/NDF : 45.6/45

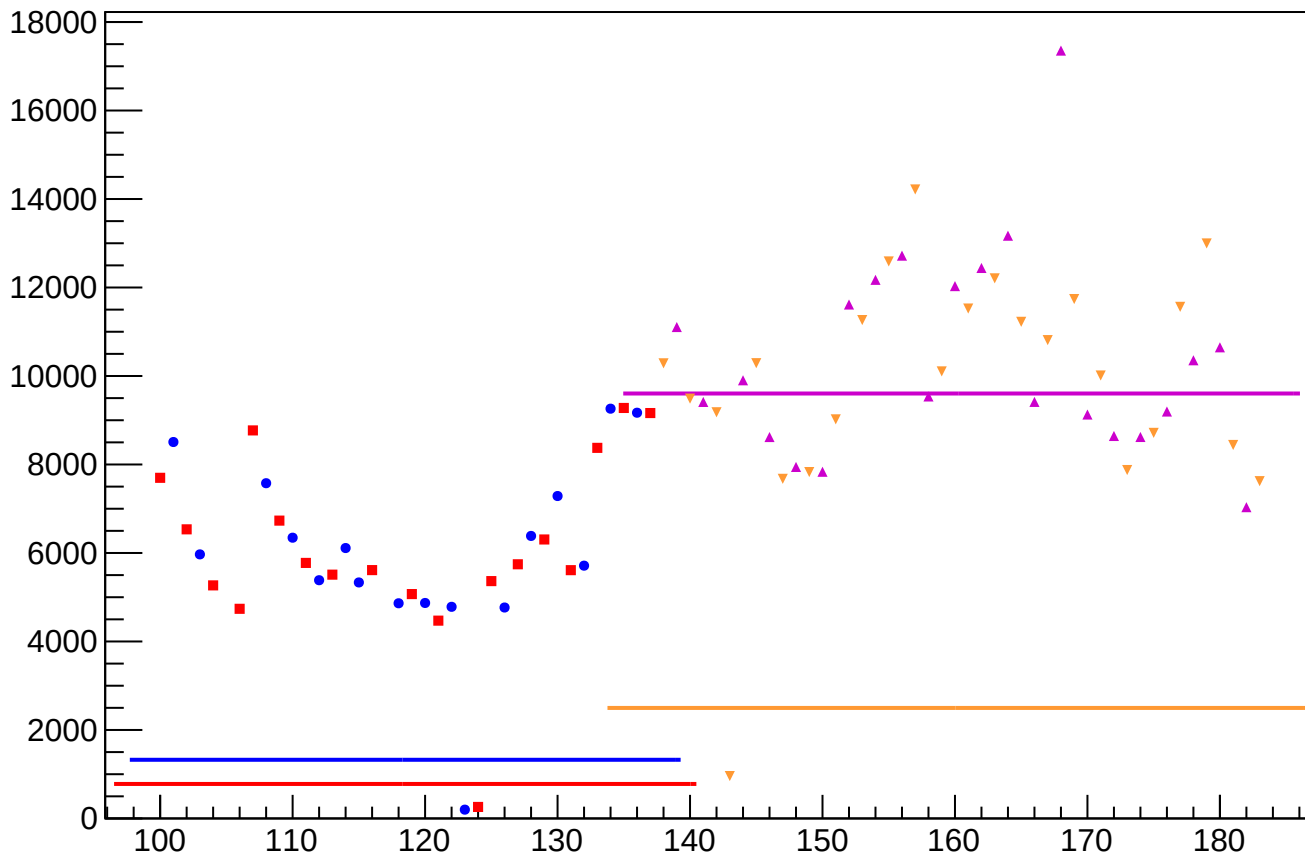
Right: -607.828+/-580.522 χ^2/NDF : 37.7/35

In: -1225.449+/-963.355 χ^2/NDF : 29.6/38

Out: -676.547+/-569.982 χ^2/NDF : 54.0/42

All: -818.875+/-490.551 χ^2/NDF : 83.8/81

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1326.061+/-0.746 χ^2/NDF : 10027581.6/16

Left Out: 2497.873+/-0.704 χ^2/NDF : 23419230.2/23

Right Out: 779.806+/-0.492 χ^2/NDF : 11406365.3/18

Left In: 9604.200+/-1.674 χ^2/NDF : 1256645.0/21

Left: 3565.340+/-0.649 χ^2/NDF : 39995860.2/45

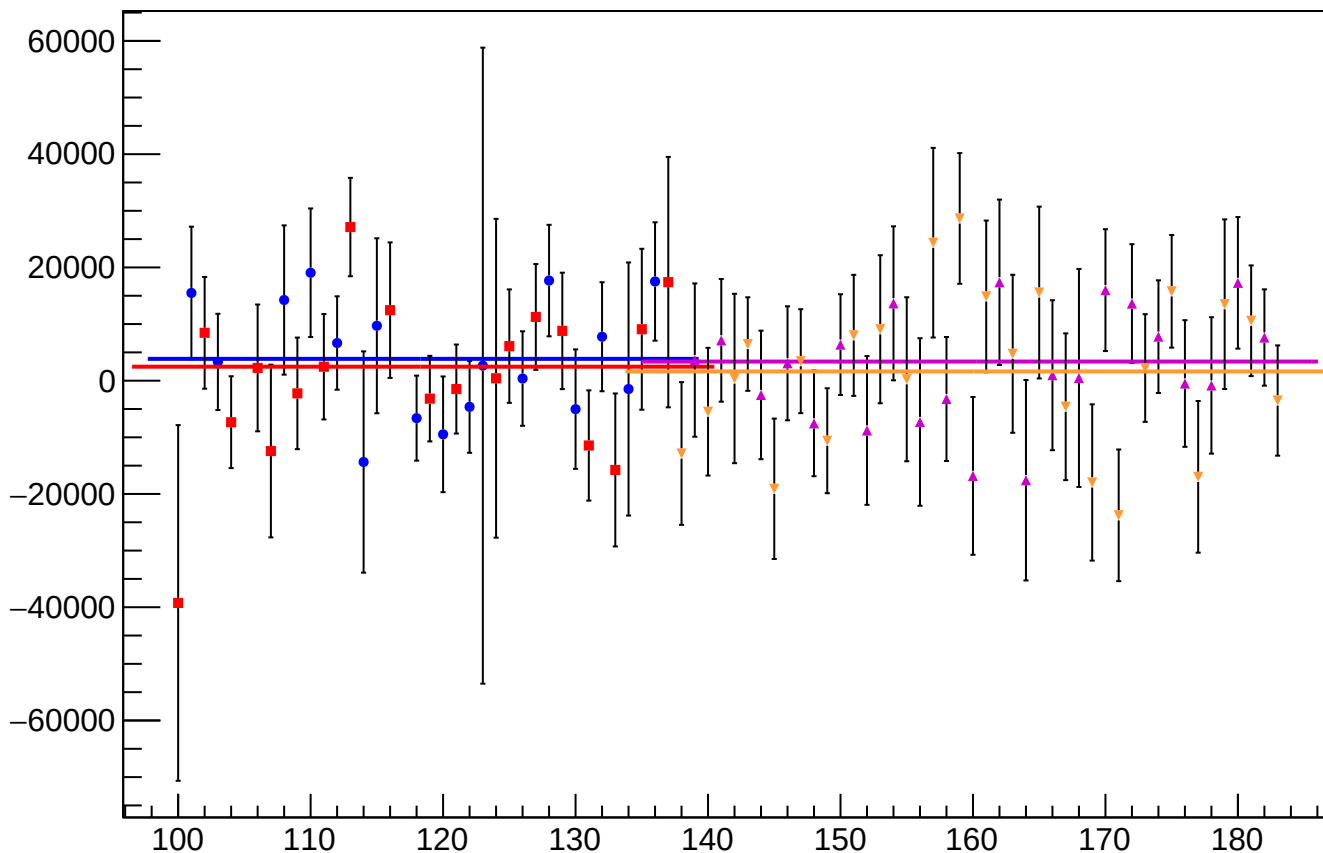
Right: 945.309+/-0.410 χ^2/NDF : 21807921.5/35

In: 2697.364+/-0.681 χ^2/NDF : 31695495.8/38

Out: 1343.432+/-0.403 χ^2/NDF : 38831219.9/42

All: 1694.501+/-0.347 χ^2/NDF : 73452861.8/80

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3858.326 $\pm$ 2543.101 χ^2/NDF : 14.1/16

Left Out: 1634.106 $\pm$ 2359.188 χ^2/NDF : 29.3/23

Right Out: 2474.681 $\pm$ 2426.960 χ^2/NDF : 20.3/18

Left In: 3377.737 $\pm$ 2460.086 χ^2/NDF : 13.1/21

Left: 2469.432 $\pm$ 1702.751 χ^2/NDF : 42.6/45

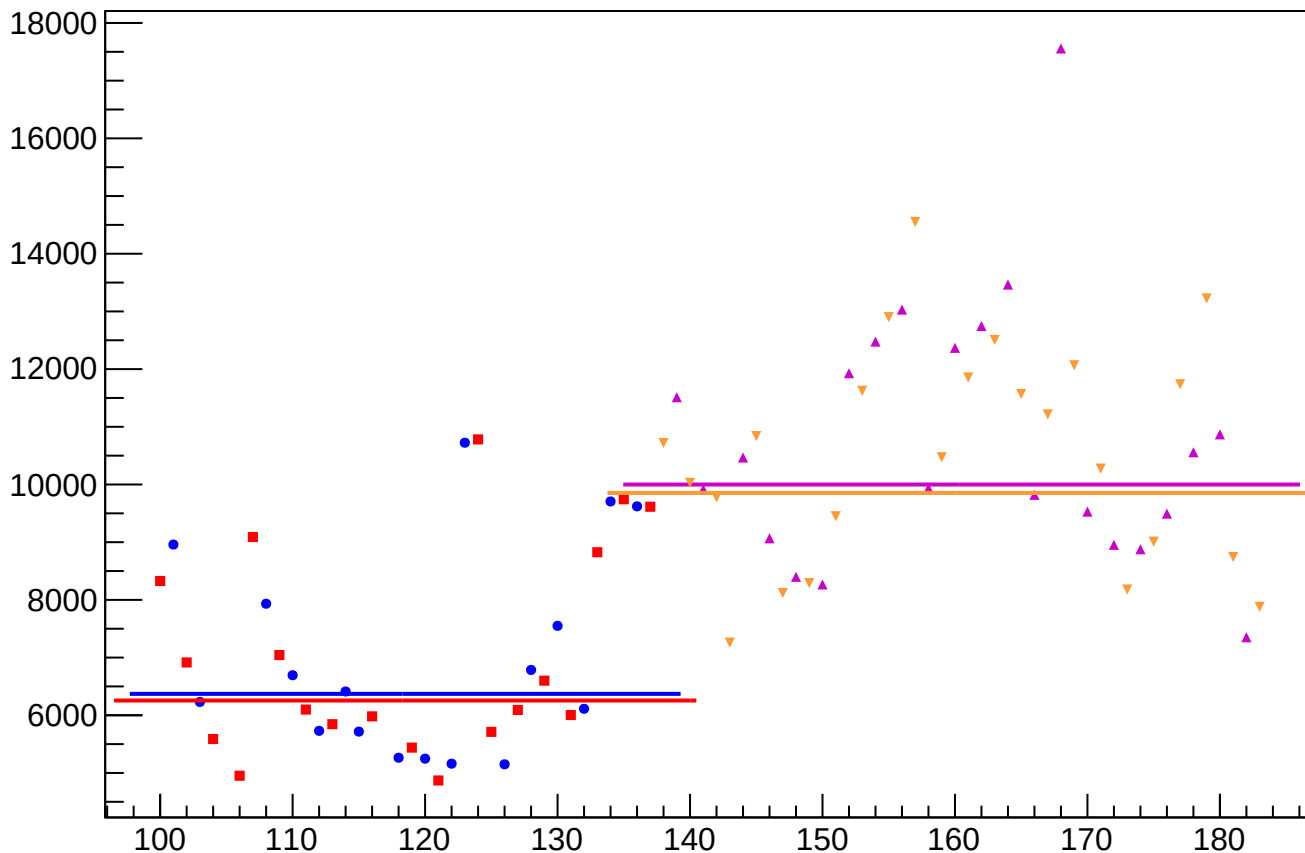
Right: 3134.188 $\pm$ 1755.743 χ^2/NDF : 34.5/35

In: 3610.059 $\pm$ 1768.164 χ^2/NDF : 27.2/38

Out: 2042.494 $\pm$ 1691.650 χ^2/NDF : 49.6/42

All: 2791.627 $\pm$ 1222.332 χ^2/NDF : 77.2/81

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6370.939+/-1.798 χ^2/NDF : 578725.9/16

Left Out: 9853.716+/-1.668 χ^2/NDF : 1183639.5/23

Right Out: 6255.569+/-1.716 χ^2/NDF : 532740.6/18

Left In: 9999.467+/-1.740 χ^2/NDF : 1150470.7/21

Left: 9923.541+/-1.204 χ^2/NDF : 2337767.2/45

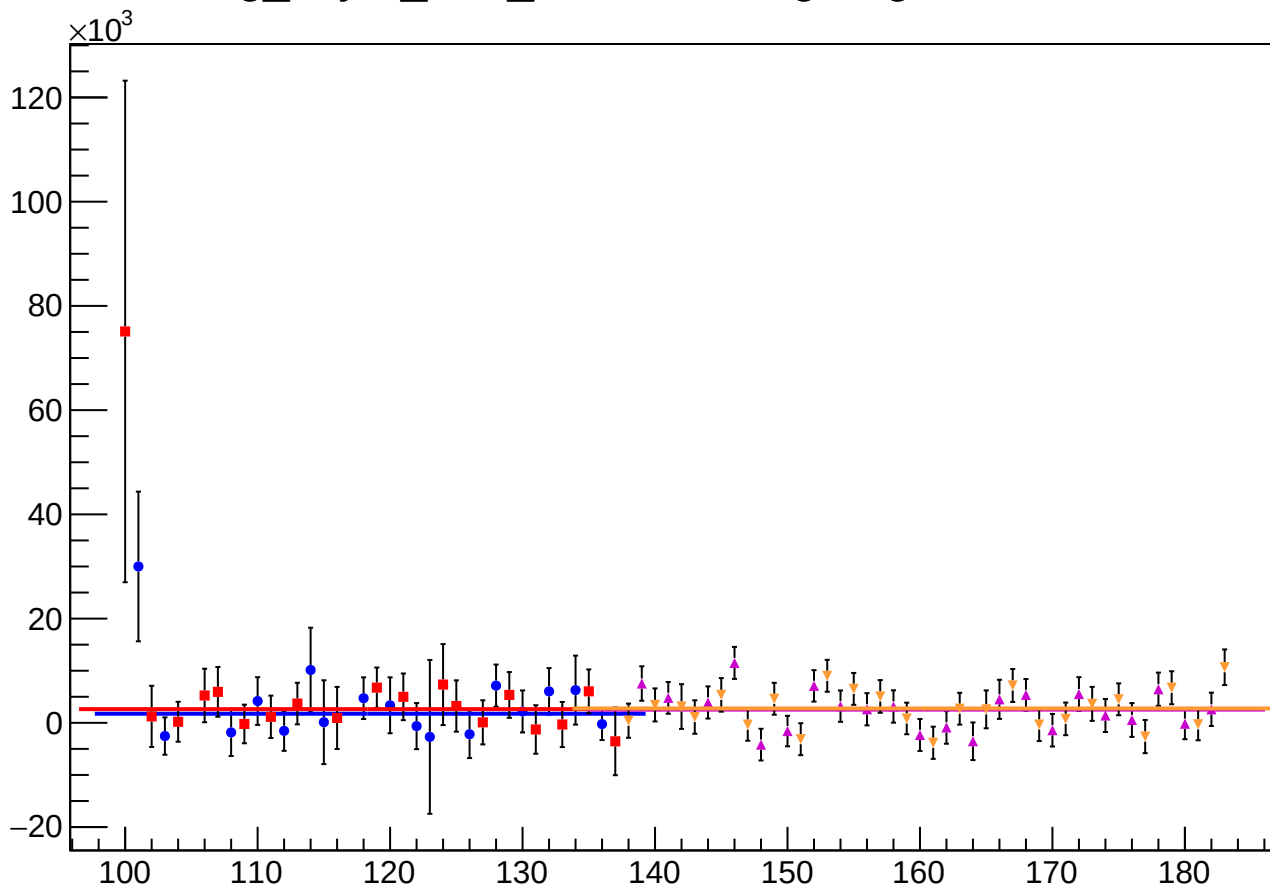
Right: 6310.557+/-1.241 χ^2/NDF : 1113620.8/35

In: 8245.384+/-1.250 χ^2/NDF : 3832538.5/38

Out: 8105.499+/-1.196 χ^2/NDF : 3976748.0/42

All: 8172.348+/-0.864 χ^2/NDF : 7815822.2/81

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1745.509+/-1131.300 χ^2/NDF : 13.4/16

Left Out: 2762.739+/-650.546 χ^2/NDF : 32.3/23

Right Out: 2628.839+/-1074.553 χ^2/NDF : 9.6/18

Left In: 2538.319+/-669.663 χ^2/NDF : 33.7/21

Left: 2653.778+/-466.618 χ^2/NDF : 66.1/45

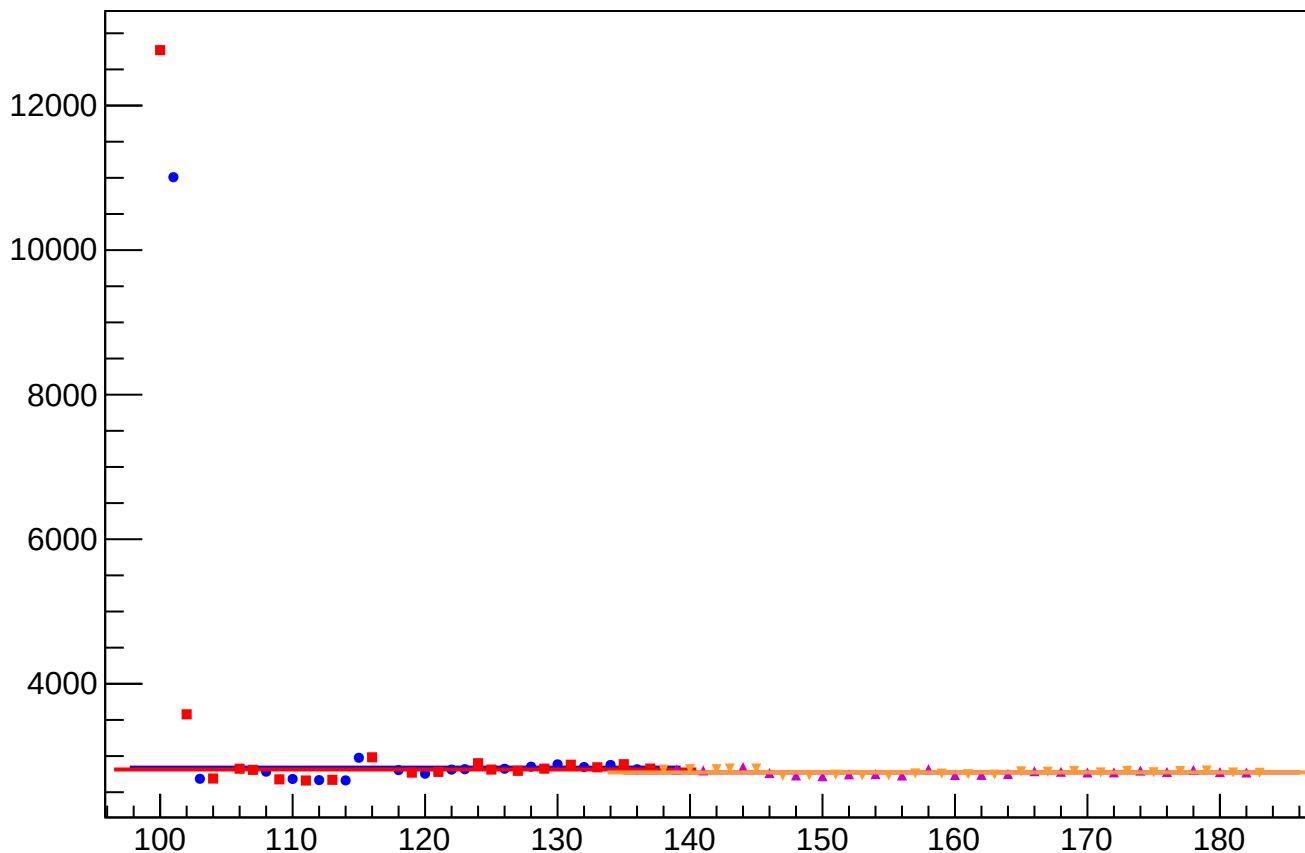
Right: 2209.883+/-779.113 χ^2/NDF : 23.4/35

In: 2332.604+/-576.270 χ^2/NDF : 47.5/38

Out: 2726.825+/-556.506 χ^2/NDF : 41.9/42

All: 2536.591+/-400.314 χ^2/NDF : 89.7/81

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2840.326+/-0.800 χ^2/NDF : 660130.0/16

Left Out: 2773.854+/-0.460 χ^2/NDF : 4609.6/23

Right Out: 2814.625+/-0.760 χ^2/NDF : 133037.9/18

Left In: 2773.227+/-0.474 χ^2/NDF : 4792.6/21

Left: 2773.549+/-0.330 χ^2/NDF : 9403.1/45

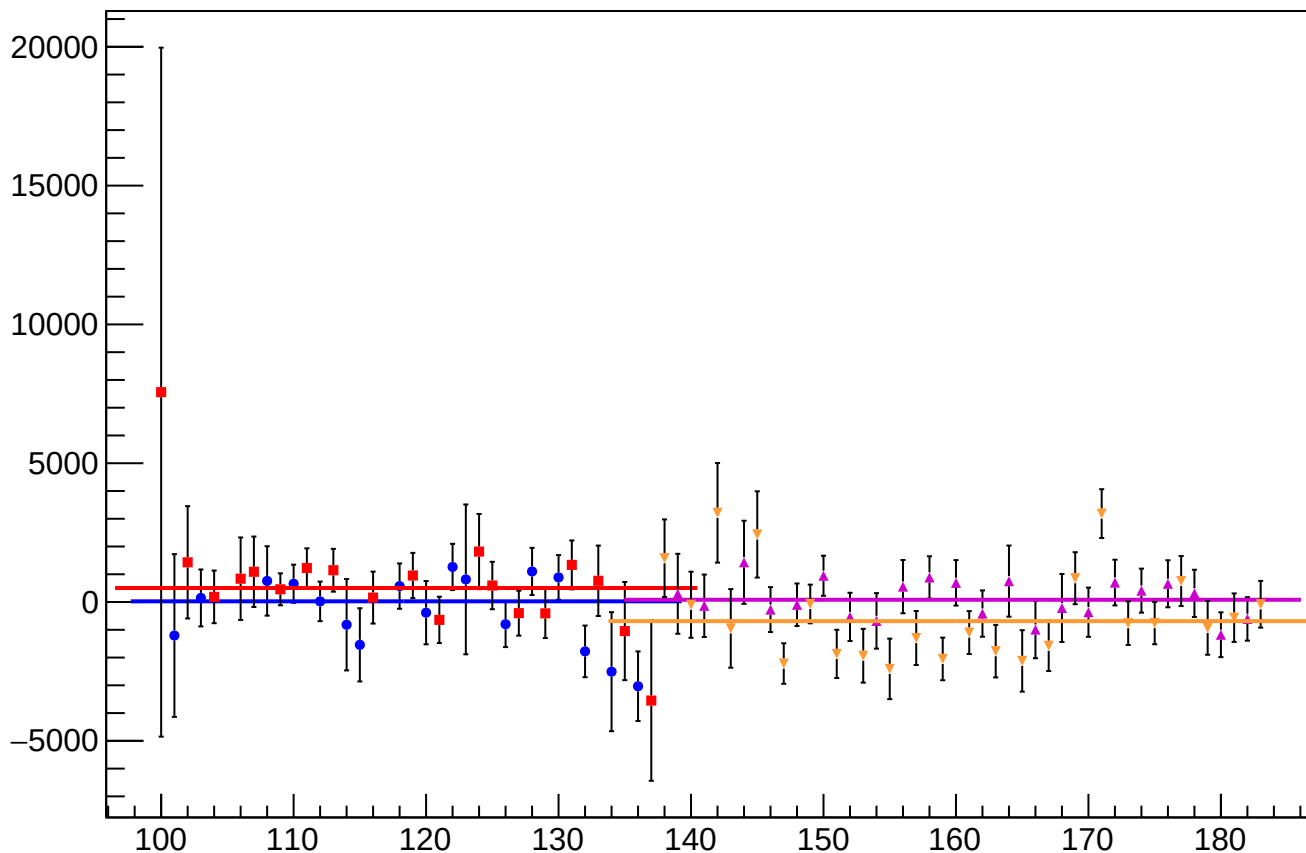
Right: 2826.815+/-0.551 χ^2/NDF : 793710.6/35

In: 2790.637+/-0.407 χ^2/NDF : 670132.8/38

Out: 2784.789+/-0.394 χ^2/NDF : 139754.5/42

All: 2787.611+/-0.283 χ^2/NDF : 809993.9/81

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 25.744 ± 242.455 $\chi^2/\text{NDF}: 20.8/16$

Left Out: -687.735 ± 189.024 $\chi^2/\text{NDF}: 55.9/23$

Right Out: 504.940 ± 222.180 $\chi^2/\text{NDF}: 11.9/18$

Left In: 81.972 ± 190.973 $\chi^2/\text{NDF}: 12.1/21$

Left: -306.831 ± 134.344 $\chi^2/\text{NDF}: 76.2/45$

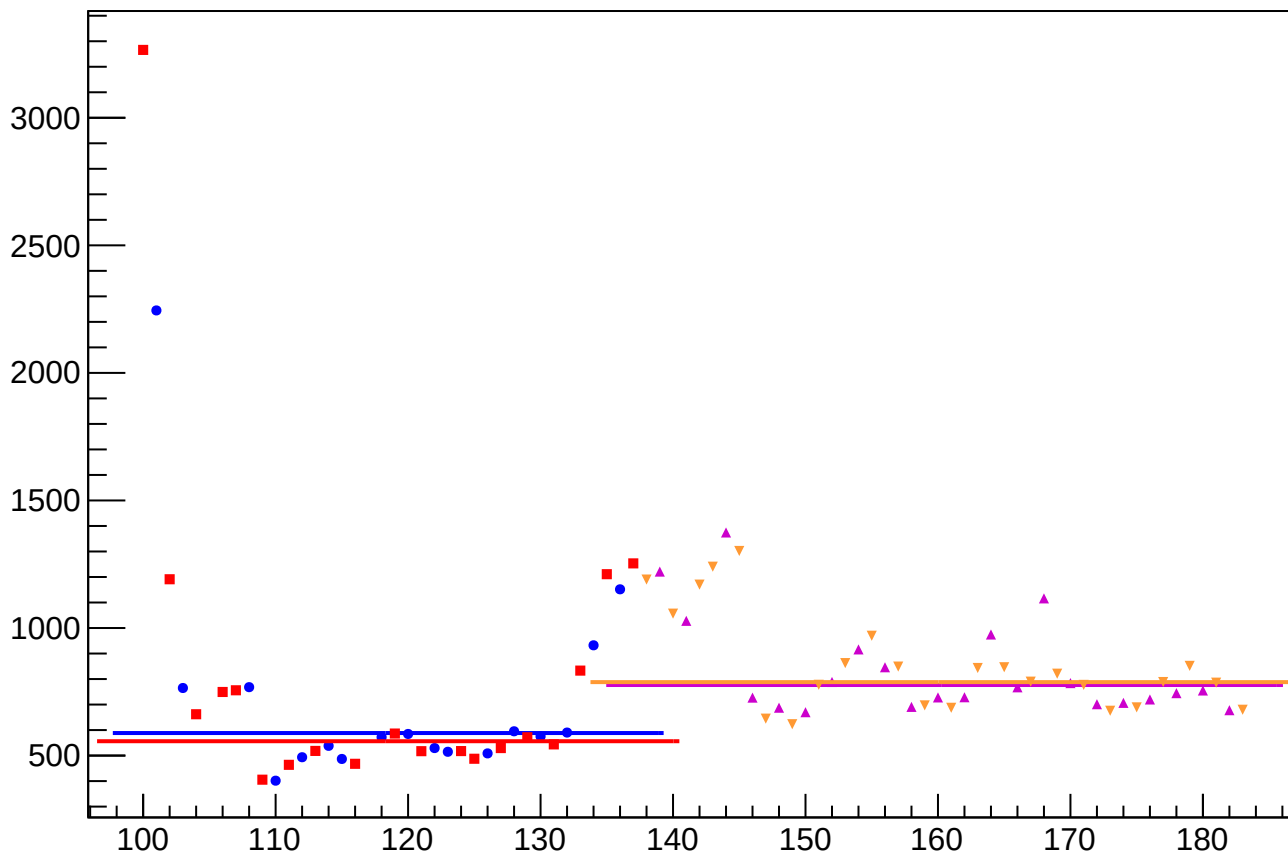
Right: 286.213 ± 163.805 $\chi^2/\text{NDF}: 34.8/35$

In: 60.444 ± 150.024 $\chi^2/\text{NDF}: 32.9/38$

Out: -186.944 ± 143.970 $\chi^2/\text{NDF}: 84.5/42$

All: -68.342 ± 103.876 $\chi^2/\text{NDF}: 118.8/81$

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 588.381+/-0.171 χ^2/NDF : 1423934.9/16

Left Out: 787.959+/-0.134 χ^2/NDF : 1239718.7/23

Right Out: 556.282+/-0.157 χ^2/NDF : 1104898.6/18

Left In: 776.614+/-0.135 χ^2/NDF : 1055387.3/21

Left: 782.345+/-0.095 χ^2/NDF : 2298671.3/45

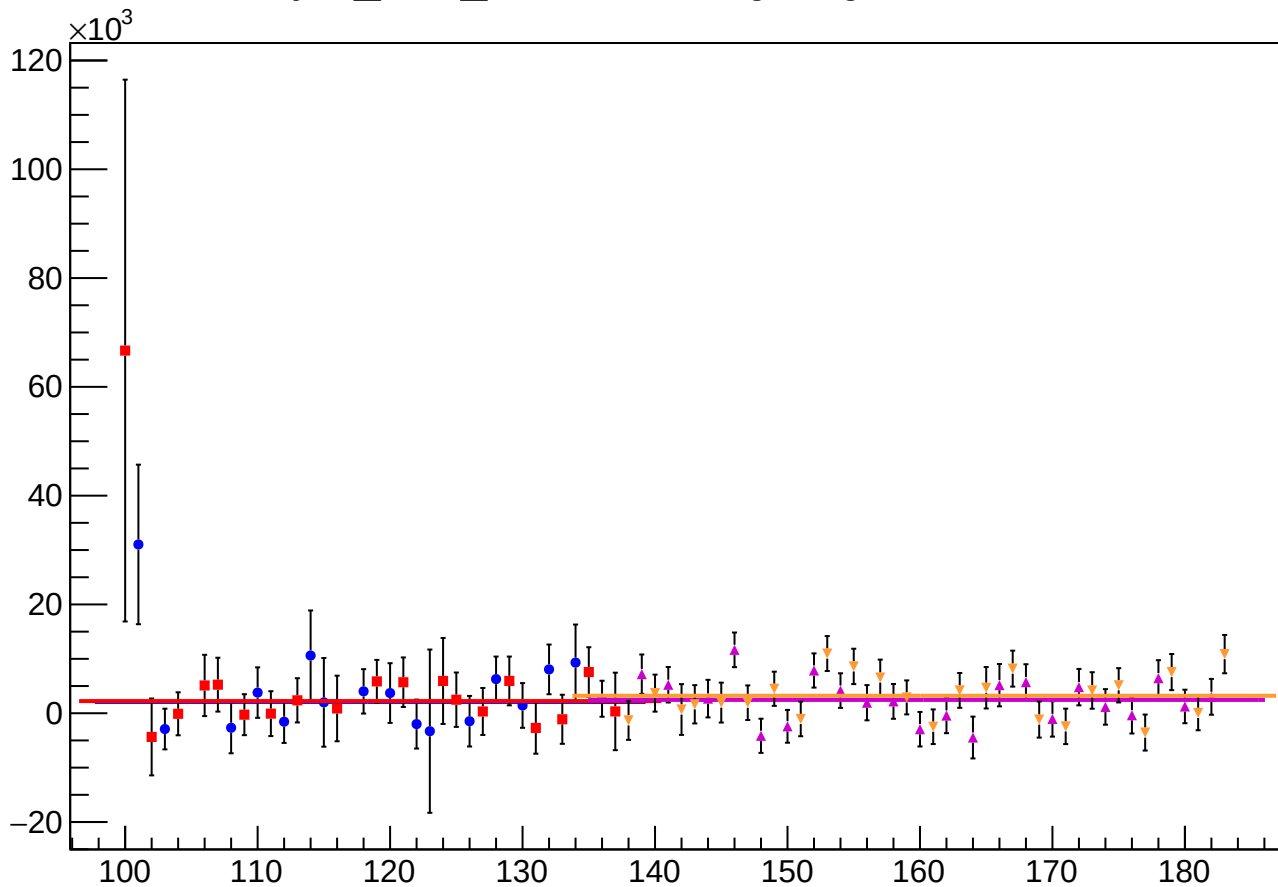
Right: 570.933+/-0.116 χ^2/NDF : 2547887.1/35

In: 704.544+/-0.106 χ^2/NDF : 3223255.1/38

Out: 690.680+/-0.102 χ^2/NDF : 3606146.5/42

All: 697.327+/-0.073 χ^2/NDF : 6838293.0/81

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2083.008 $\pm$ 1167.281 χ^2 /NDF: 14.5/16

Left Out: 3214.775 $\pm$ 683.328 χ^2 /NDF: 36.5/23

Right Out: 2234.490 $\pm$ 1113.044 χ^2 /NDF: 9.9/18

Left In: 2447.765 $\pm$ 701.245 χ^2 /NDF: 33.6/21

Left: 2841.194 $\pm$ 489.398 χ^2 /NDF: 70.7/45

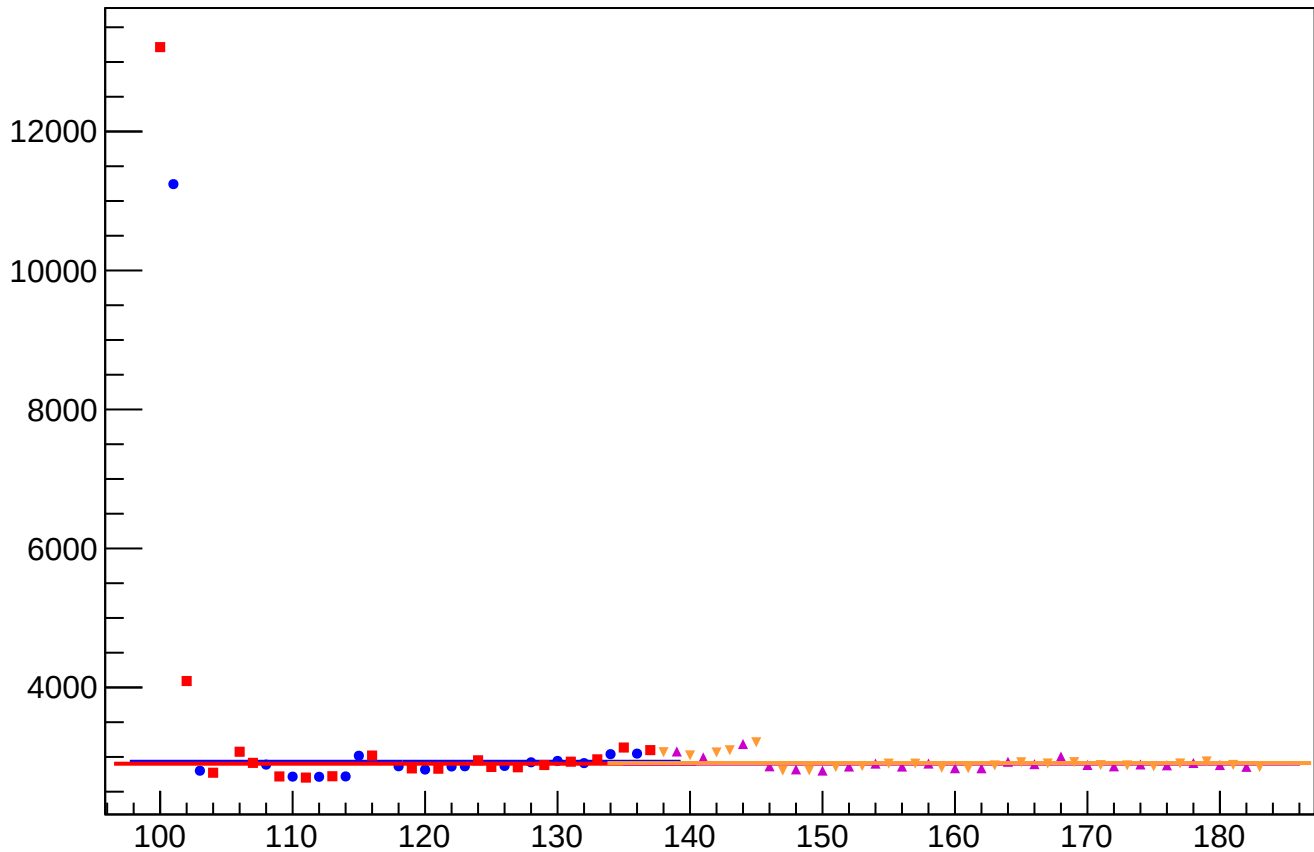
Right: 2162.350 $\pm$ 805.533 χ^2 /NDF: 24.4/35

In: 2351.034 $\pm$ 601.114 χ^2 /NDF: 48.2/38

Out: 2946.438 $\pm$ 582.341 χ^2 /NDF: 47.0/42

All: 2658.178 $\pm$ 418.256 χ^2 /NDF: 95.6/81

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2930.563+/-0.825 χ^2/NDF : 662106.1/16

Left Out: 2912.089+/-0.483 χ^2/NDF : 36417.2/23

Right Out: 2902.768+/-0.787 χ^2/NDF : 169439.3/18

Left In: 2903.003+/-0.496 χ^2/NDF : 28794.8/21

Left: 2907.663+/-0.346 χ^2/NDF : 65384.2/45

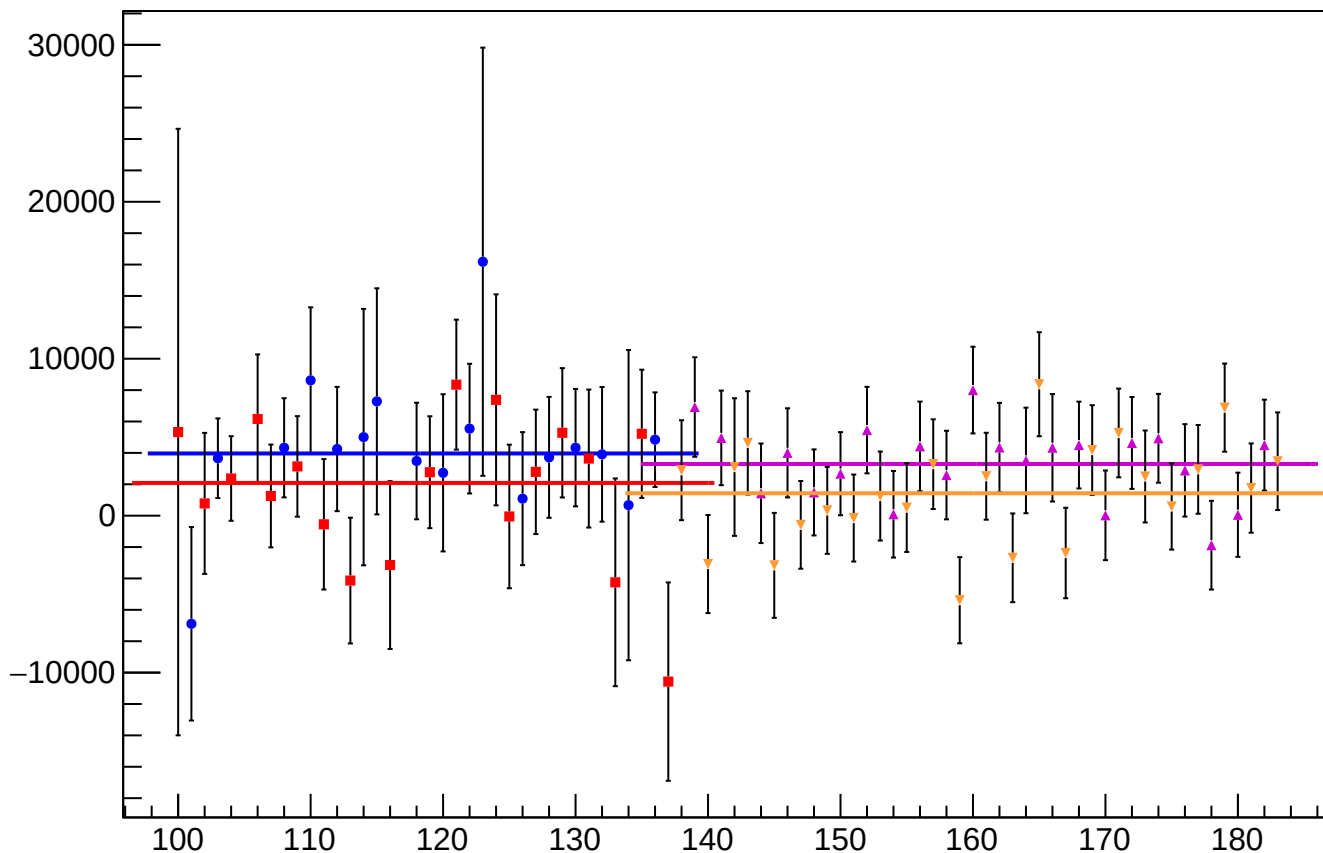
Right: 2916.005+/-0.570 χ^2/NDF : 832139.4/35

In: 2910.312+/-0.425 χ^2/NDF : 691720.2/38

Out: 2909.537+/-0.412 χ^2/NDF : 205958.4/42

All: 2909.912+/-0.296 χ^2/NDF : 897680.3/81

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3964.122+/-1014.452 χ^2/NDF : 6.1/16

Left Out: 1428.146+/-600.838 χ^2/NDF : 28.9/23

Right Out: 2085.504+/-960.571 χ^2/NDF : 14.5/18

Left In: 3294.209+/-615.160 χ^2/NDF : 14.9/21

Left: 2339.202+/-429.831 χ^2/NDF : 48.5/45

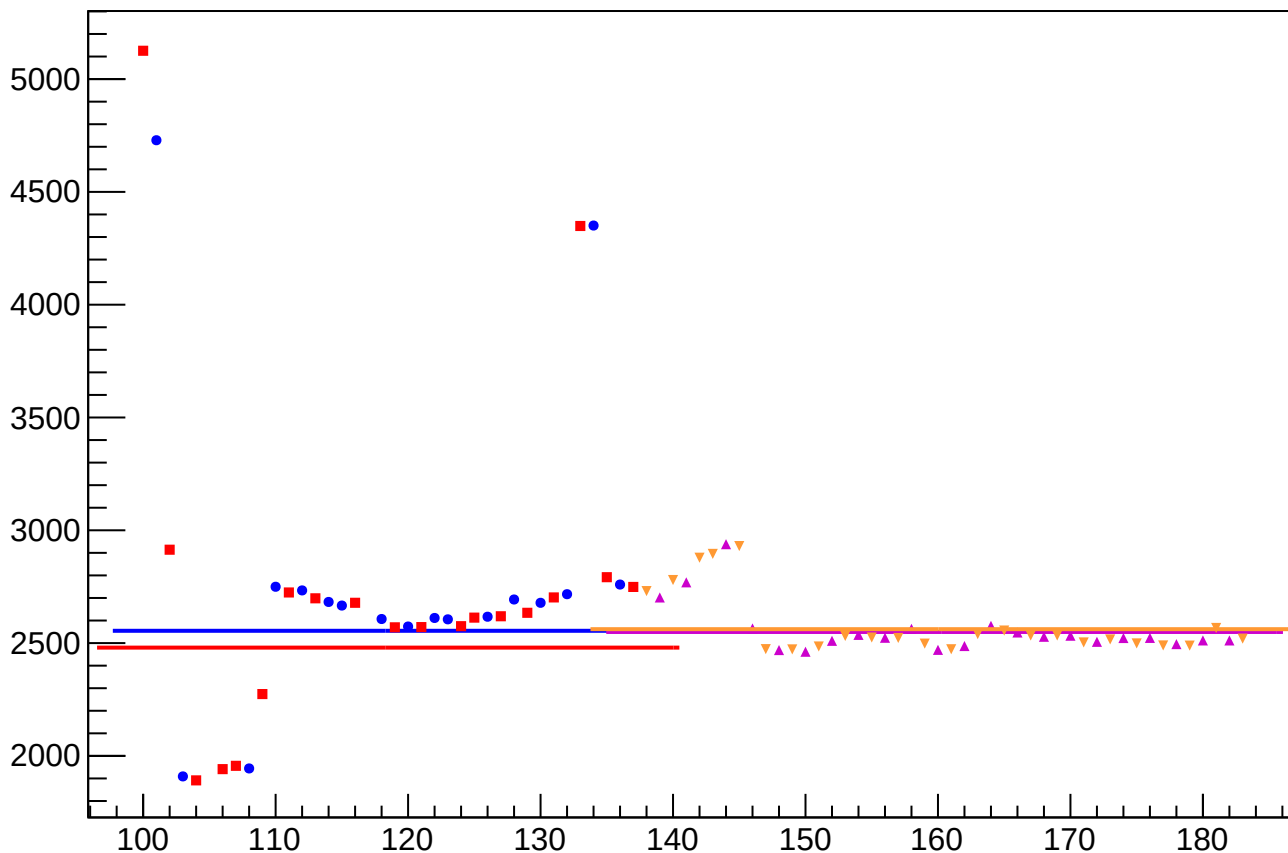
Right: 2973.600+/-697.497 χ^2/NDF : 22.4/35

In: 3474.318+/-526.005 χ^2/NDF : 21.3/38

Out: 1613.010+/-509.395 χ^2/NDF : 43.7/42

All: 2513.812+/-365.928 χ^2/NDF : 71.4/81

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2554.506 $\pm$ 0.717 χ^2/NDF : 545770.3/16

Left Out: 2561.682 $\pm$ 0.425 χ^2/NDF : 86260.1/23

Right Out: 2479.954 $\pm$ 0.679 χ^2/NDF : 450311.6/18

Left In: 2549.324 $\pm$ 0.435 χ^2/NDF : 55200.9/21

Left: 2555.649 $\pm$ 0.304 χ^2/NDF : 141874.0/45

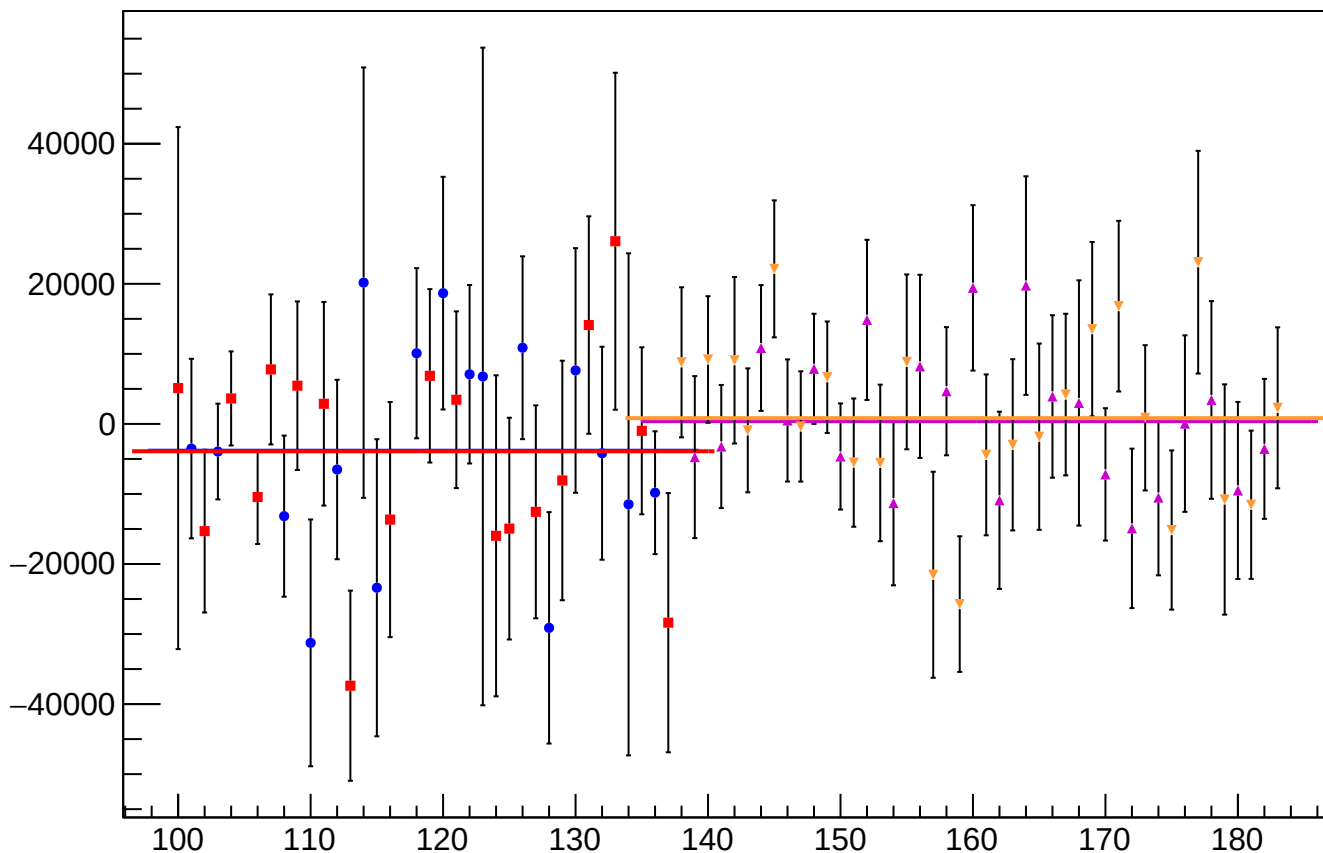
Right: 2515.198 $\pm$ 0.493 χ^2/NDF : 1001777.2/35

In: 2550.718 $\pm$ 0.372 χ^2/NDF : 601009.3/38

Out: 2538.698 $\pm$ 0.360 χ^2/NDF : 546978.2/42

All: 2544.515 $\pm$ 0.259 χ^2/NDF : 1148526.4/81

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -3830.114+/-3234.150 χ^2/NDF : 13.1/16

Left Out: 823.602+/-2199.662 χ^2/NDF : 27.3/23

Right Out: -3902.239+/-2838.290 χ^2/NDF : 18.6/18

Left In: 400.801+/-2263.871 χ^2/NDF : 15.5/21

Left: 618.283+/-1577.607 χ^2/NDF : 42.8/45

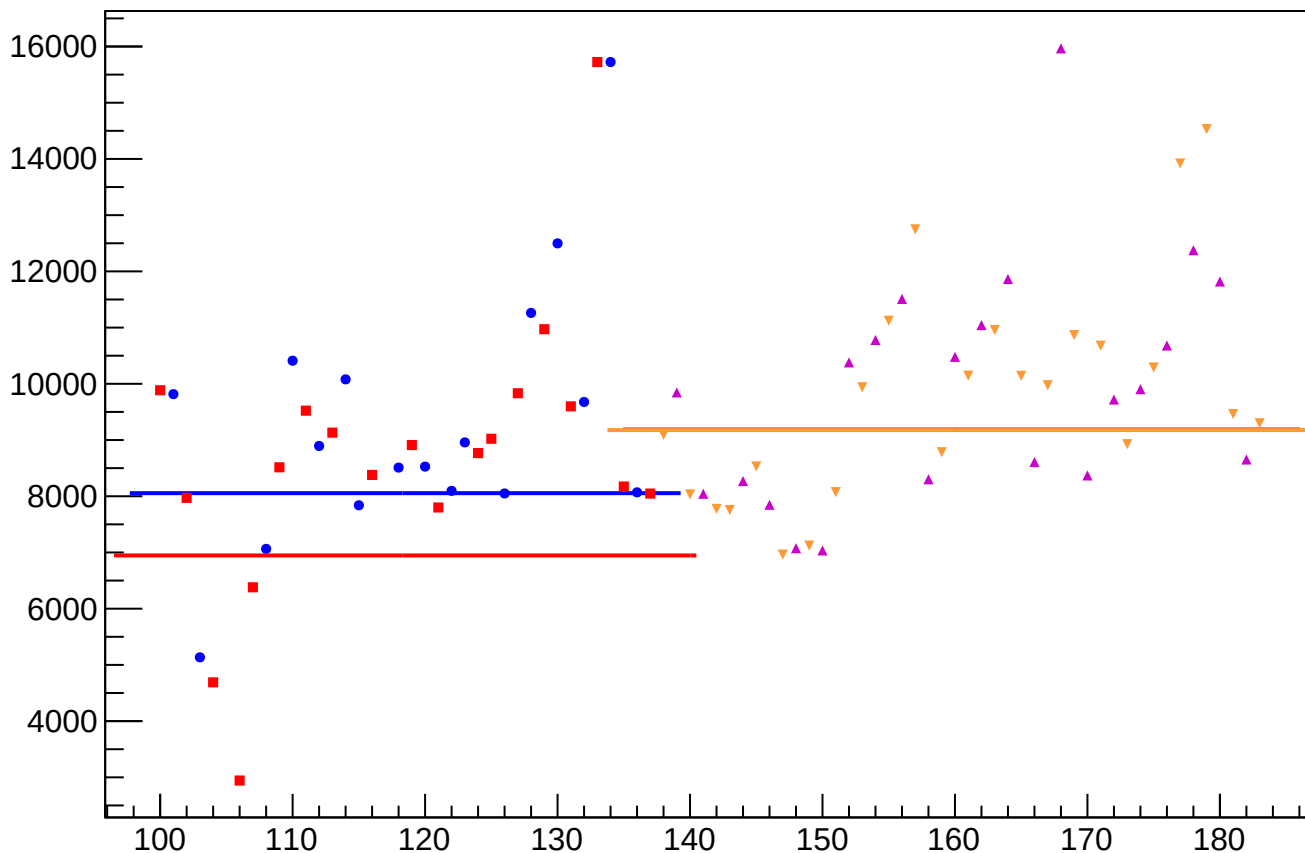
Right: -3870.858+/-2133.280 χ^2/NDF : 31.7/35

In: -990.546+/-1854.644 χ^2/NDF : 29.7/38

Out: -949.728+/-1738.650 χ^2/NDF : 47.7/42

All: -968.821+/-1268.437 χ^2/NDF : 77.4/81

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8054.857 $\pm$ 2.287 χ^2 /NDF: 795337.9/16

Left Out: 9176.973 $\pm$ 1.555 χ^2 /NDF:1176180.6/23

Right Out: 6946.742 $\pm$ 2.007 χ^2 /NDF: 1776702.0/18

Left In: 9188.371 $\pm$ 1.601 χ^2 /NDF:1235401.1/21

Left: 9182.508 $\pm$ 1.116 χ^2 /NDF: 2411607.8/45

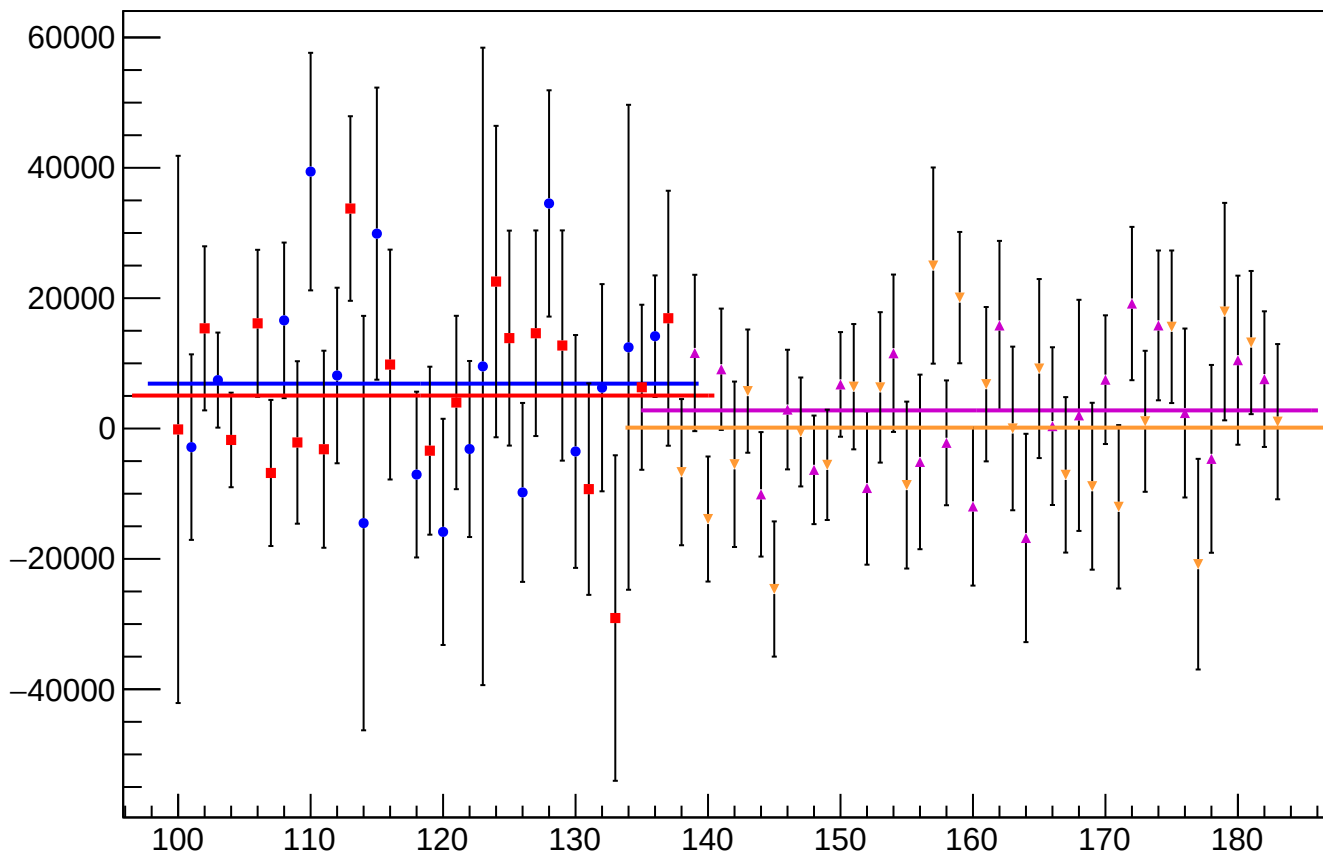
Right: 7428.868 $\pm$ 1.508 χ^2 /NDF: 2704676.1/35

In: 8815.612 $\pm$ 1.311 χ^2 /NDF:2195624.1/38

Out: 8340.098 $\pm$ 1.229 χ^2 /NDF:3724370.0/42

All: 8562.521 $\pm$ 0.897 χ^2 /NDF: 5989970.0/83

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6886.765 $\pm$ 3417.693 χ^2/NDF : 14.3/16

Left Out: 138.047 $\pm$ 2297.921 χ^2/NDF : 25.6/23

Right Out: 5059.238 $\pm$ 3173.297 χ^2/NDF : 13.3/18

Left In: 2781.954 $\pm$ 2360.480 χ^2/NDF : 14.7/21

Left: 1424.501 $\pm$ 1646.548 χ^2/NDF : 41.0/45

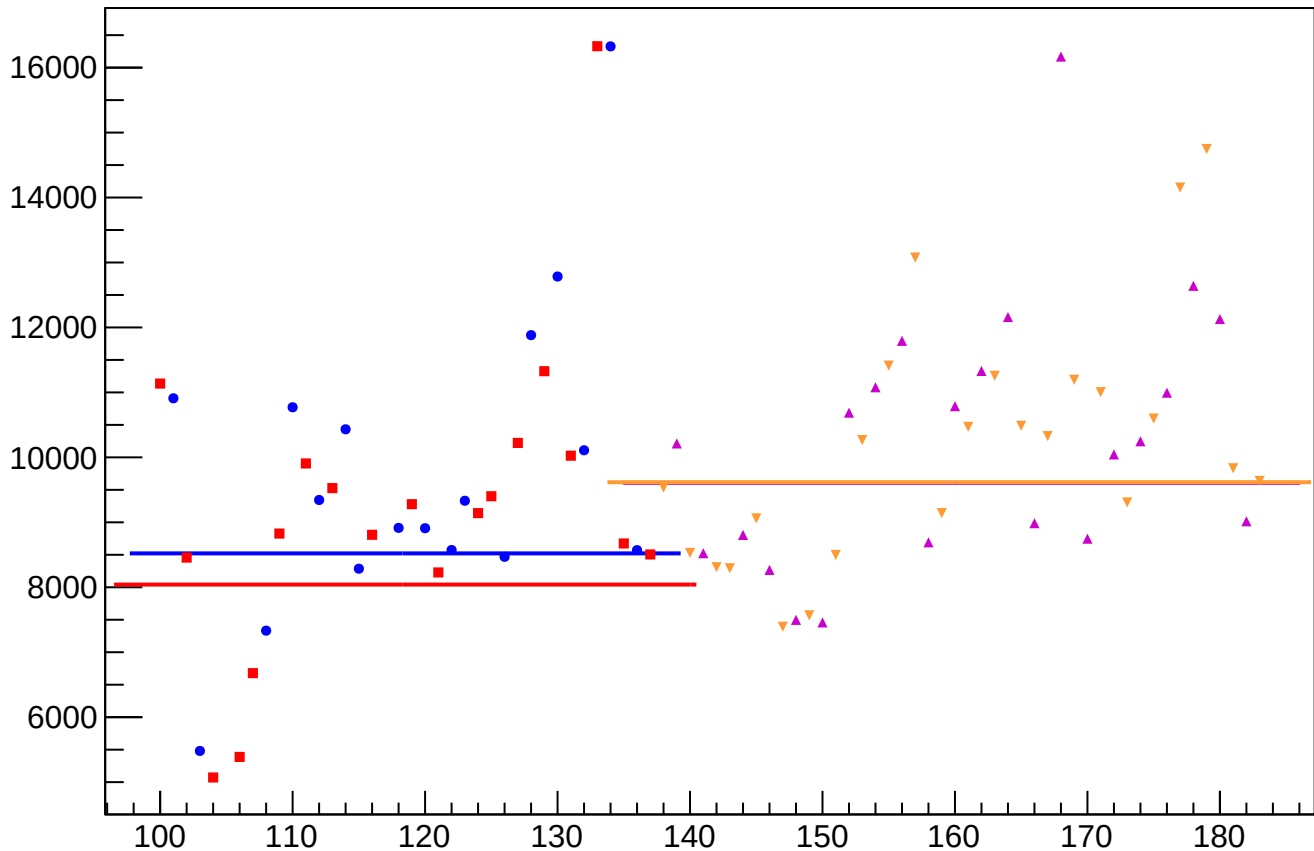
Right: 5905.330 $\pm$ 2325.465 χ^2/NDF : 27.8/35

In: 4107.645 $\pm$ 1942.261 χ^2/NDF : 30.0/38

Out: 1830.922 $\pm$ 1861.179 χ^2/NDF : 40.5/42

All: 2920.770 $\pm$ 1343.802 χ^2/NDF : 71.2/81

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8521.835+/-2.417 χ^2/NDF : 769872.2/16

Left Out: 9617.032+/-1.625 χ^2/NDF : 1011649.0/23

Right Out: 8041.570+/-2.244 χ^2/NDF : 953300.0/18

Left In: 9606.764+/-1.669 χ^2/NDF : 1080861.3/21

Left: 9612.036+/-1.164 χ^2/NDF : 2092529.7/45

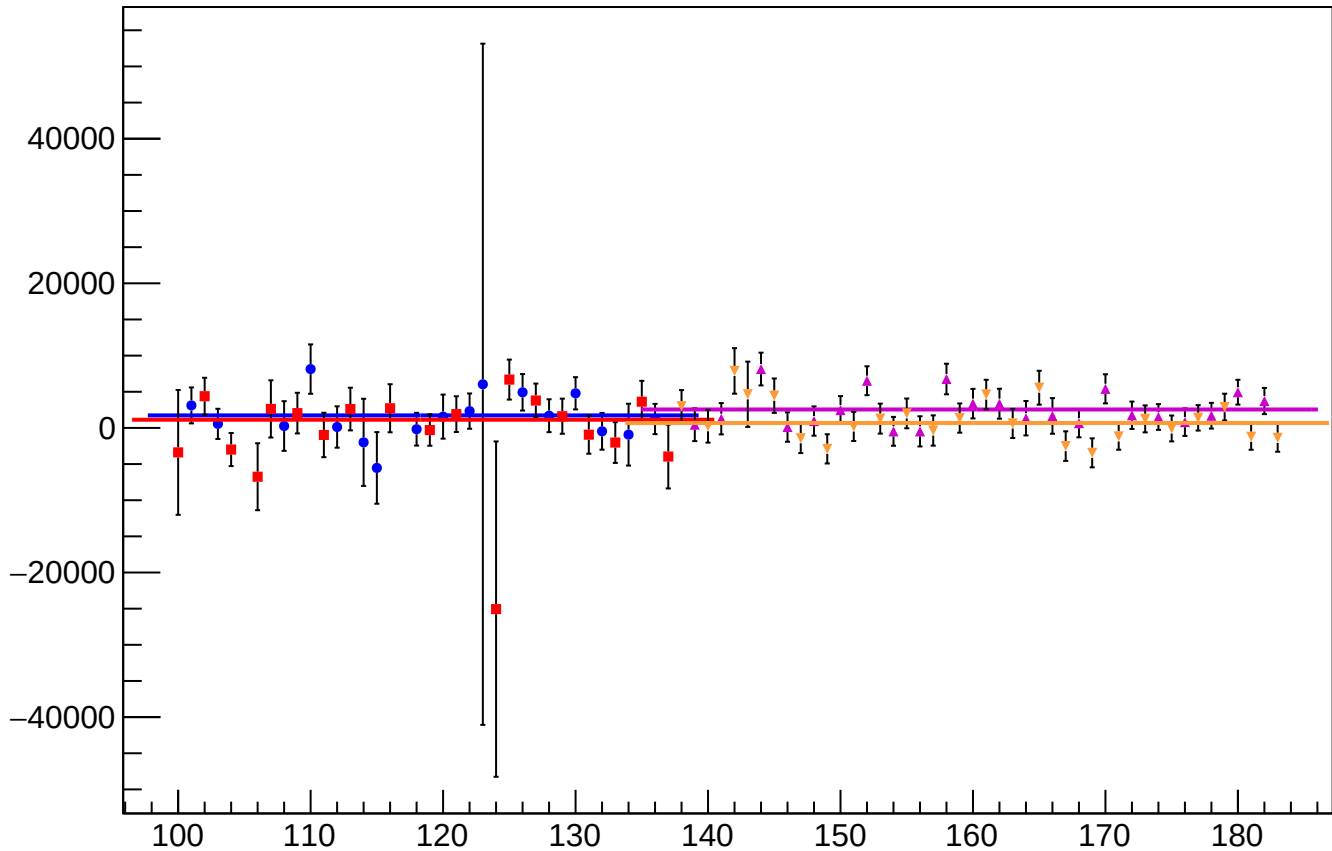
Right: 8263.910+/-1.644 χ^2/NDF : 1744382.1/35

In: 9256.375+/-1.373 χ^2/NDF : 1987185.8/38

Out: 9075.052+/-1.316 χ^2/NDF : 2288357.0/42

All: 9161.849+/-0.950 χ^2/NDF : 4284629.8/81

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1733.256+/-672.118 χ^2/NDF : 12.6/16

Left Out: 682.358+/-421.278 χ^2/NDF : 34.6/23

Right Out: 1131.745+/-673.096 χ^2/NDF : 20.3/18

Left In: 2548.800+/-427.936 χ^2/NDF : 29.3/21

Left: 1600.945+/-300.215 χ^2/NDF : 73.5/45

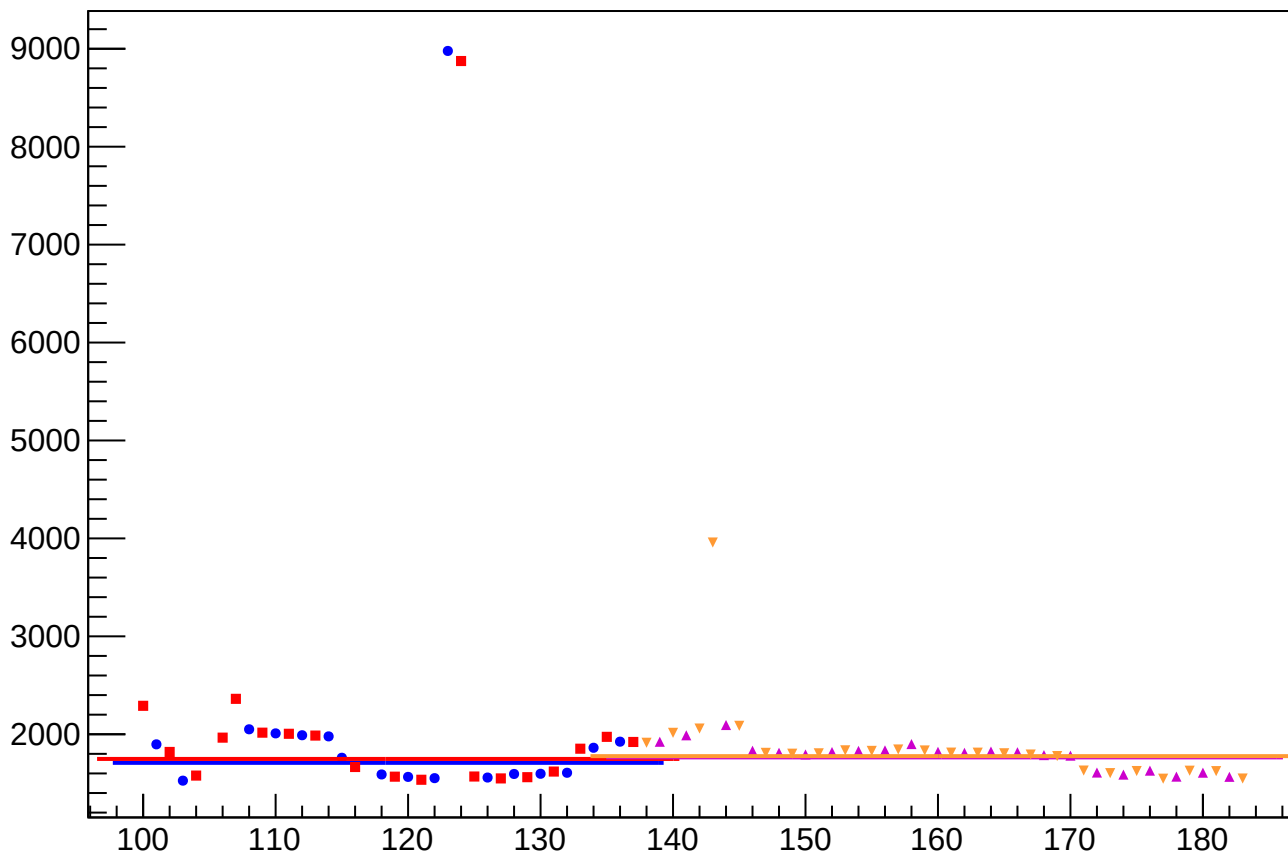
Right: 1432.938+/-475.605 χ^2/NDF : 33.4/35

In: 2313.555+/-360.979 χ^2/NDF : 42.9/38

Out: 808.846+/-357.101 χ^2/NDF : 55.3/42

All: 1553.076+/-253.869 χ^2/NDF : 107.0/81

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1708.196+/-0.475 χ^2/NDF : 195783.3/16

Left Out: 1776.569+/-0.298 χ^2/NDF : 689962.0/23

Right Out: 1748.067+/-0.474 χ^2/NDF : 396355.2/18

Left In: 1763.846+/-0.303 χ^2/NDF : 205404.6/21

Left: 1770.307+/-0.212 χ^2/NDF : 896264.4/45

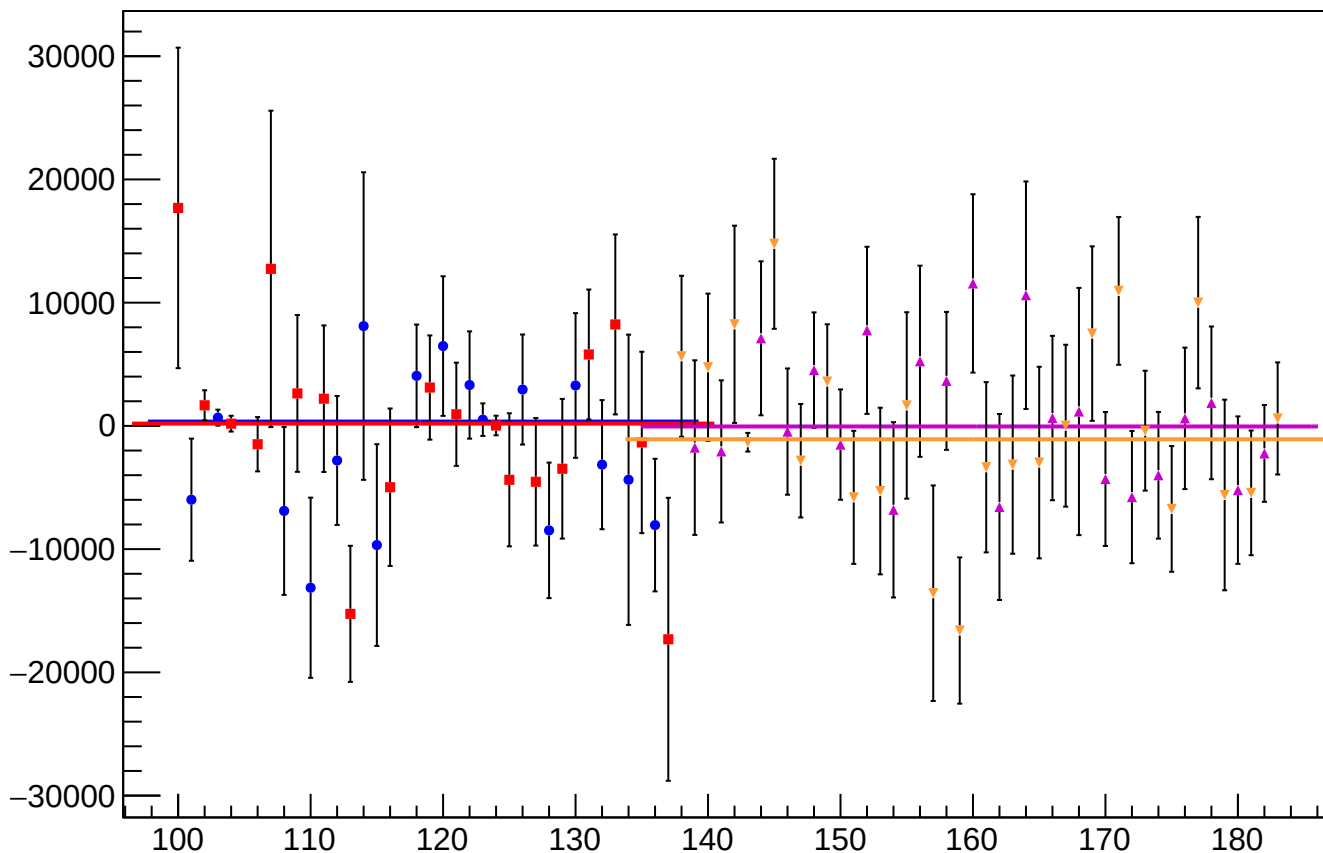
Right: 1728.192+/-0.336 χ^2/NDF : 595668.1/35

In: 1747.794+/-0.255 χ^2/NDF : 410943.9/38

Out: 1768.495+/-0.252 χ^2/NDF : 1088910.6/42

All: 1758.269+/-0.179 χ^2/NDF : 1503182.9/81

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 350.603 $\pm$ 540.664 χ^2 /NDF: 17.3/16

Left Out: -1084.551 $\pm$ 650.060 χ^2 /NDF:30.9/23

Right Out: 188.213 $\pm$ 433.673 χ^2 /NDF: 20.8/18

Left In: -46.836 $\pm$ 1254.338 χ^2 /NDF:13.9/21

Left: -864.848 $\pm$ 577.157 χ^2 /NDF: 45.3/45

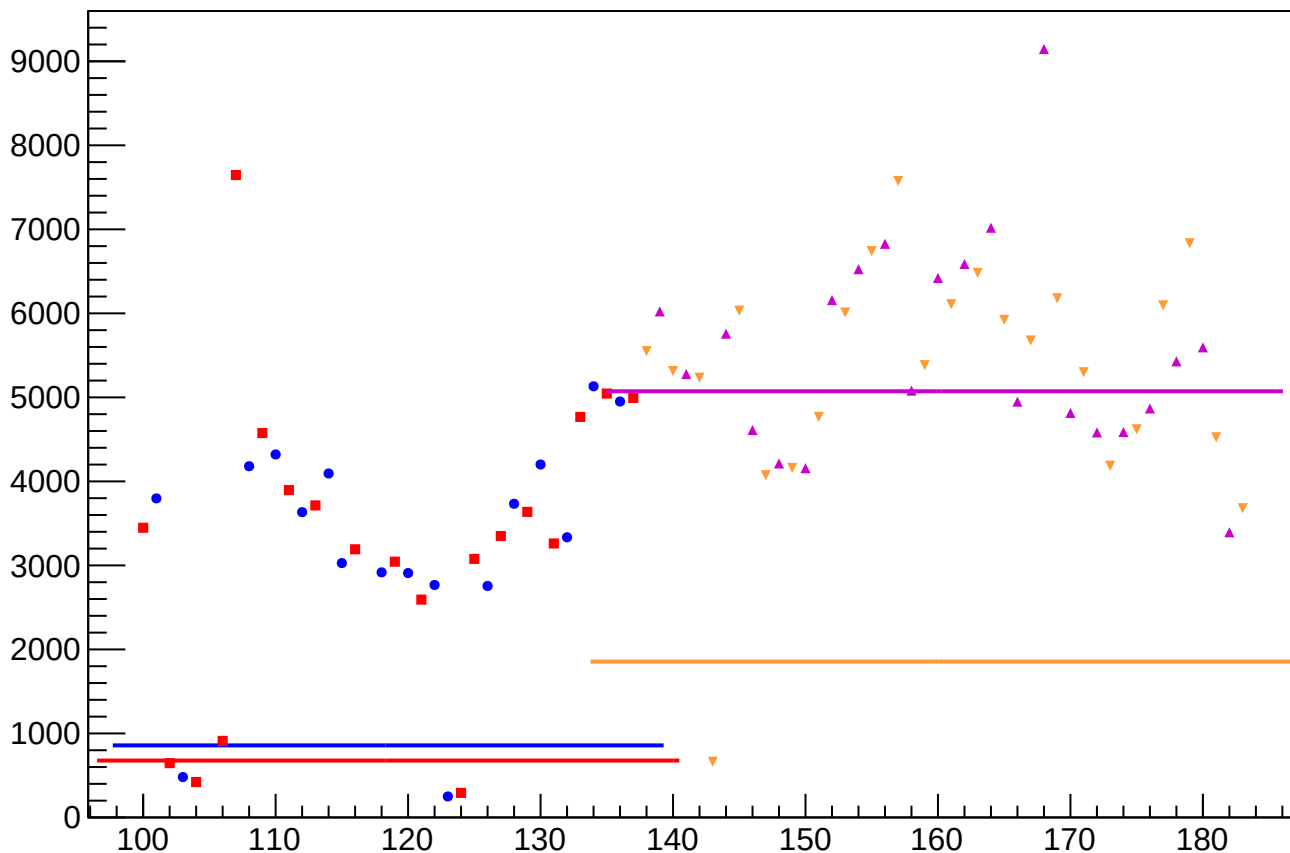
Right: 251.789 $\pm$ 338.293 χ^2 /NDF: 38.2/35

In: 288.332 $\pm$ 496.505 χ^2 /NDF:31.3/38

Out: -203.781 $\pm$ 360.761 χ^2 /NDF:54.3/42

All: -33.743 $\pm$ 291.854 χ^2 /NDF: 86.2/81

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 857.789 $\pm$ 0.382 χ^2 /NDF: 8126360.1/16

Left Out: 1855.011 $\pm$ 0.460 χ^2 /NDF:19730122.7/23

Right Out: 677.369 $\pm$ 0.307 χ^2 /NDF: 8357347.2/18

Left In: 5072.392 $\pm$ 0.887 χ^2 /NDF:1464914.1/21

Left: 2536.191 $\pm$ 0.408 χ^2 /NDF: 31567629.5/45

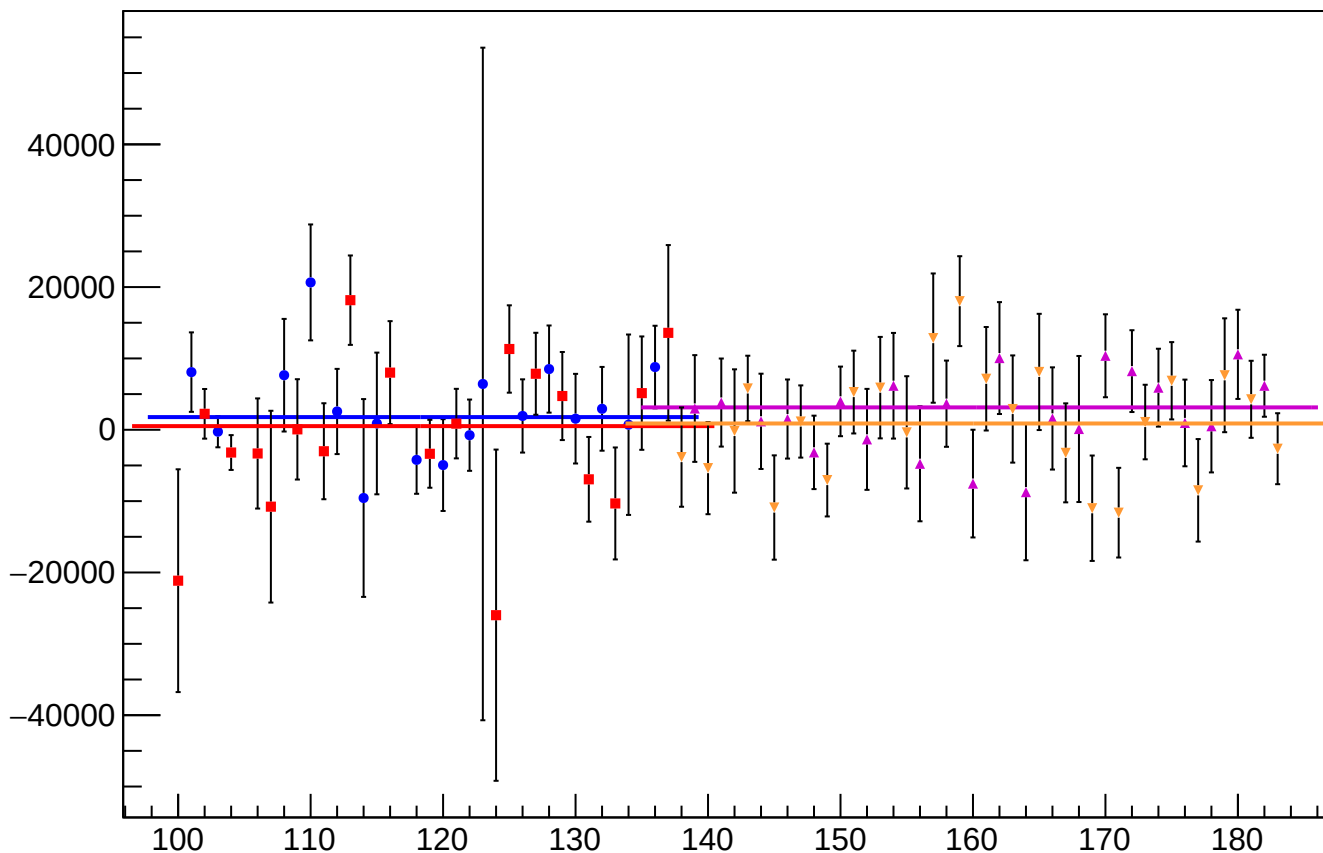
Right: 748.003 $\pm$ 0.239 χ^2 /NDF: 16619227.6/35

In: 1518.140 $\pm$ 0.351 χ^2 /NDF:28632990.4/38

Out: 1040.067 $\pm$ 0.255 χ^2 /NDF:32629647.8/42

All: 1205.254 $\pm$ 0.206 χ^2 /NDF: 62476201.5/80

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1778.180+/-1313.267 χ^2/NDF : 14.5/16

Left Out: 882.109+/-1289.272 χ^2/NDF : 30.9/23

Right Out: 512.708+/-1288.422 χ^2/NDF : 26.9/18

Left In: 3137.411+/-1340.106 χ^2/NDF : 12.5/21

Left: 1966.174+/-929.104 χ^2/NDF : 44.8/45

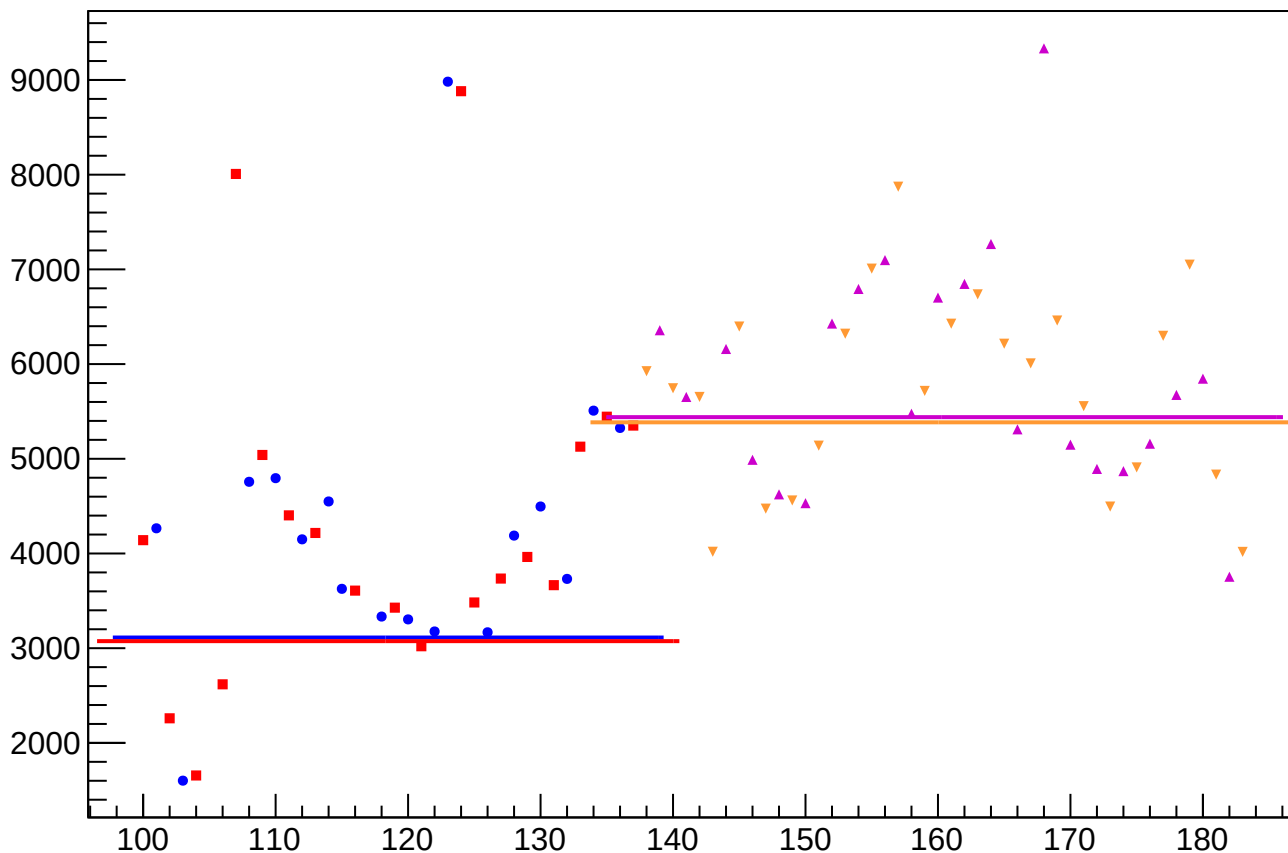
Right: 1133.360+/-919.710 χ^2/NDF : 41.8/35

In: 2444.048+/-937.965 χ^2/NDF : 27.5/38

Out: 697.287+/-911.352 χ^2/NDF : 57.8/42

All: 1545.536+/-653.629 χ^2/NDF : 87.1/81

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3112.592 $\pm$ 0.929 χ^2 /NDF: 1882559.8/16

Left Out: 5384.997 $\pm$ 0.912 χ^2 /NDF: 1185023.7/23

Right Out: 3074.355 $\pm$ 0.898 χ^2 /NDF: 2007121.5/18

Left In: 5439.752 $\pm$ 0.948 χ^2 /NDF: 1224006.7/21

Left: 5411.316 $\pm$ 0.657 χ^2 /NDF: 2410764.3/45

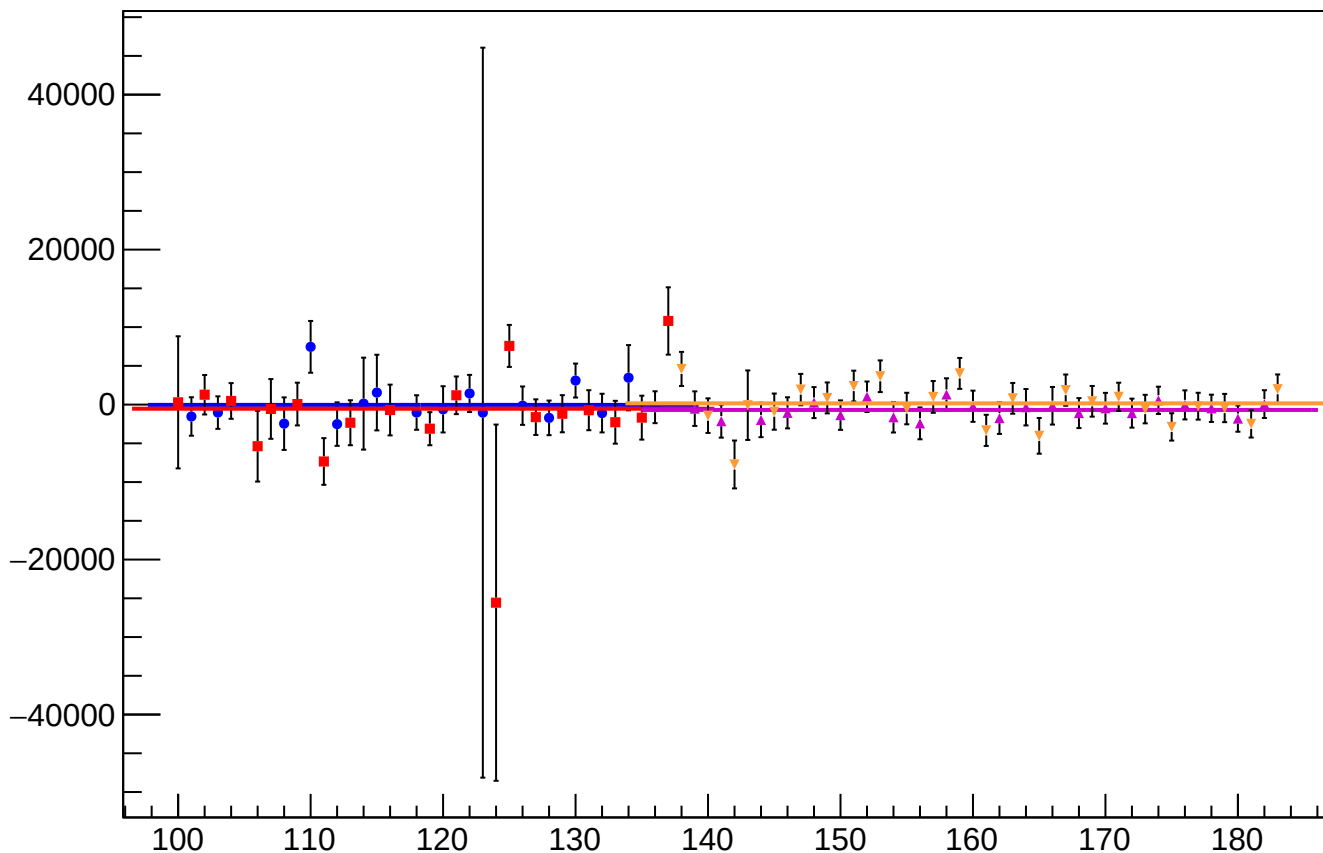
Right: 3092.829 $\pm$ 0.645 χ^2 /NDF: 3890557.7/35

In: 4252.630 $\pm$ 0.663 χ^2 /NDF: 6183184.8/38

Out: 4212.011 $\pm$ 0.640 χ^2 /NDF: 6453264.6/42

All: 4231.586 $\pm$ 0.460 χ^2 /NDF: 12638392.5/80

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -38.244 $\pm$ 662.838 χ^2/NDF : 11.1/16

Left Out: 161.915 $\pm$ 415.313 χ^2/NDF :34.2/23

Right Out: -530.114 $\pm$ 663.235 χ^2/NDF : 27.1/18

Left In: -688.809 $\pm$ 421.999 χ^2/NDF :5.5/21

Left: -256.654 $\pm$ 296.006 χ^2/NDF : 41.8/45

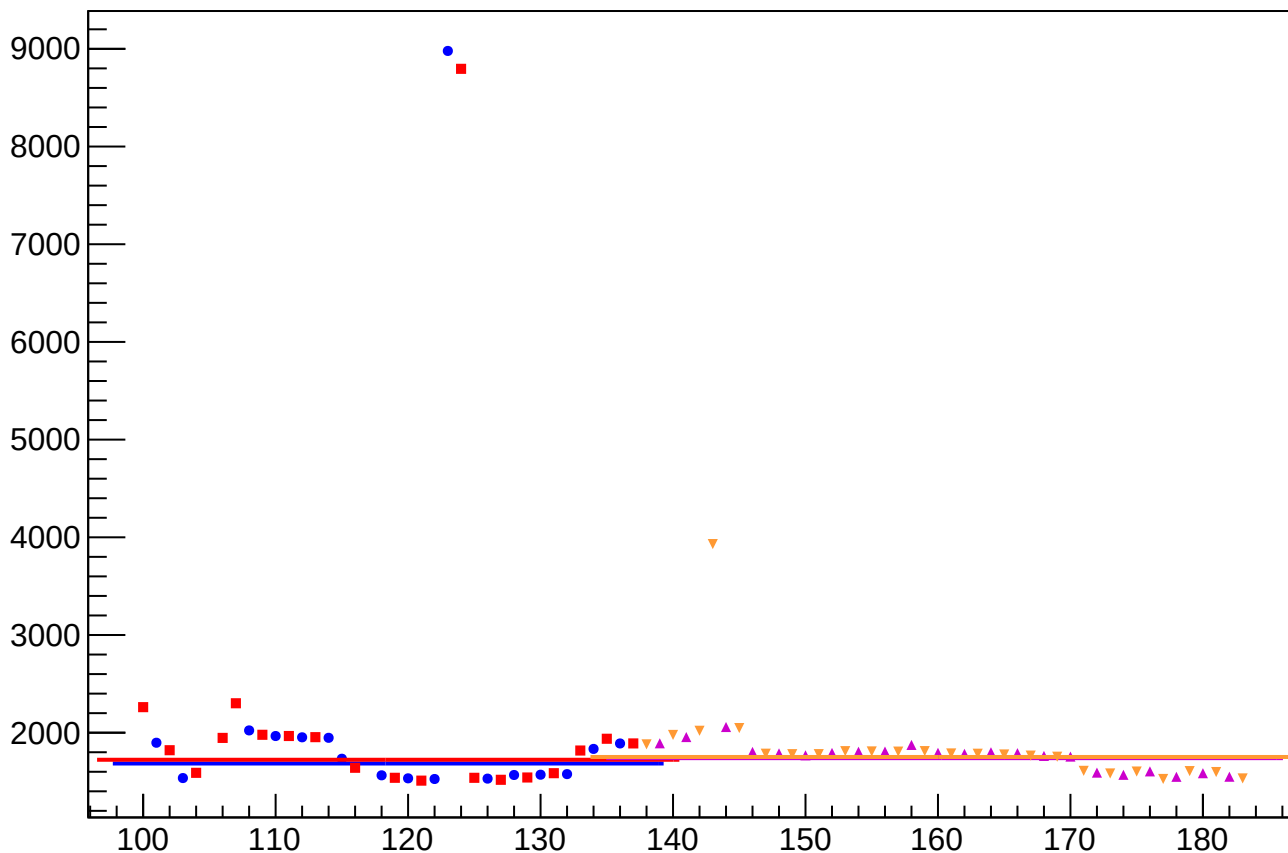
Right: -284.031 $\pm$ 468.837 χ^2/NDF : 38.5/35

In: -501.171 $\pm$ 355.977 χ^2/NDF :17.3/38

Out: -33.009 $\pm$ 351.996 χ^2/NDF :62.1/42

All: -264.457 $\pm$ 250.294 χ^2/NDF : 80.3/81

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1684.672 $\pm$ 0.469 χ^2 /NDF: 194019.0/16

Left Out: 1751.479 $\pm$ 0.294 χ^2 /NDF: 687133.8/23

Right Out: 1723.015 $\pm$ 0.467 χ^2 /NDF: 392549.0/18

Left In: 1739.507 $\pm$ 0.298 χ^2 /NDF: 198160.6/21

Left: 1745.588 $\pm$ 0.209 χ^2 /NDF: 886112.2/45

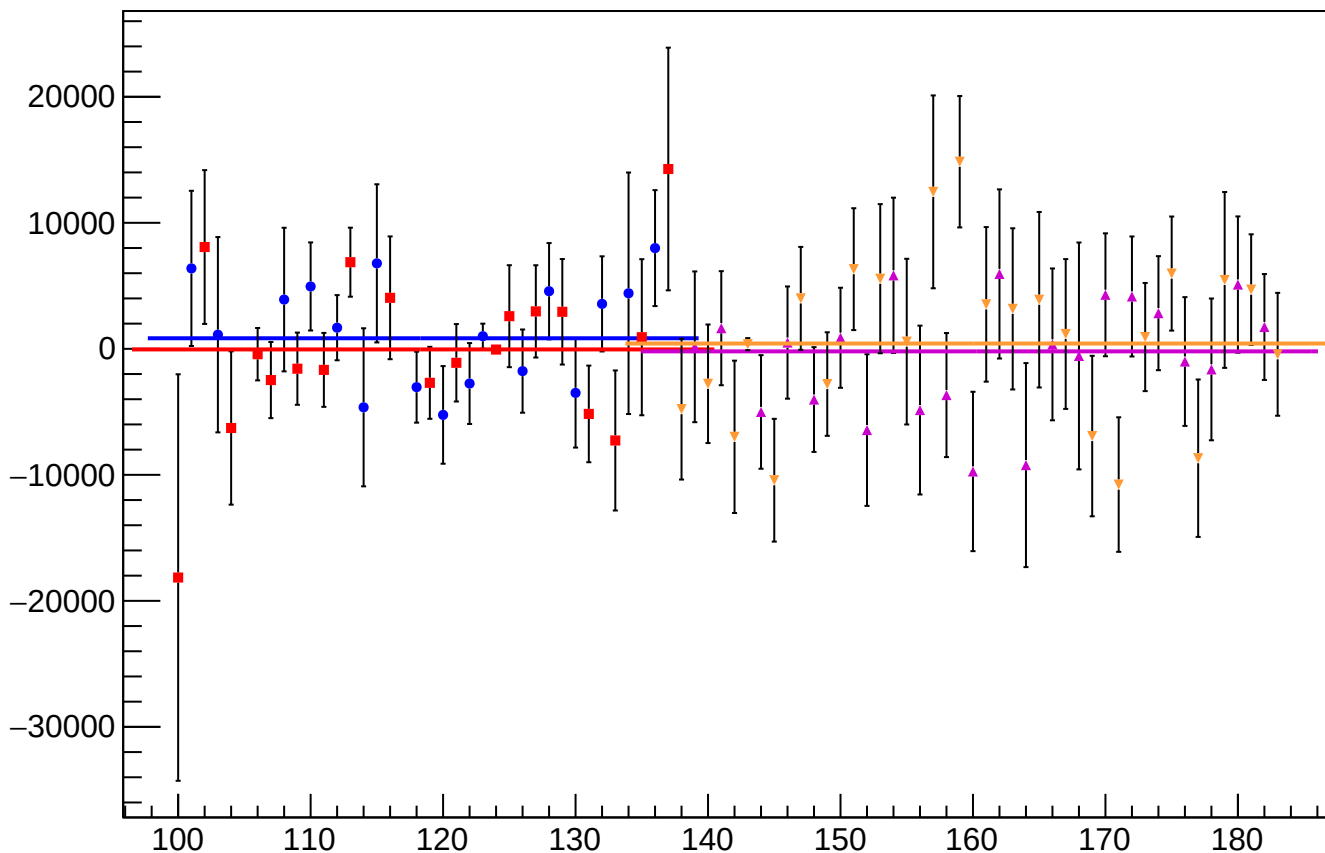
Right: 1703.916 $\pm$ 0.331 χ^2 /NDF: 589926.9/35

In: 1723.691 $\pm$ 0.252 χ^2 /NDF: 401919.3/38

Out: 1743.411 $\pm$ 0.249 χ^2 /NDF: 1082345.5/42

All: 1733.674 $\pm$ 0.177 χ^2 /NDF: 1487371.9/81

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 838.236+/-706.837 χ^2/NDF : 15.6/16

Left Out: 420.677+/-441.018 χ^2/NDF : 33.1/23

Right Out: -47.538+/-357.307 χ^2/NDF : 20.8/18

Left In: -201.847+/-1108.809 χ^2/NDF : 13.0/21

Left: 335.647+/-409.793 χ^2/NDF : 46.4/45

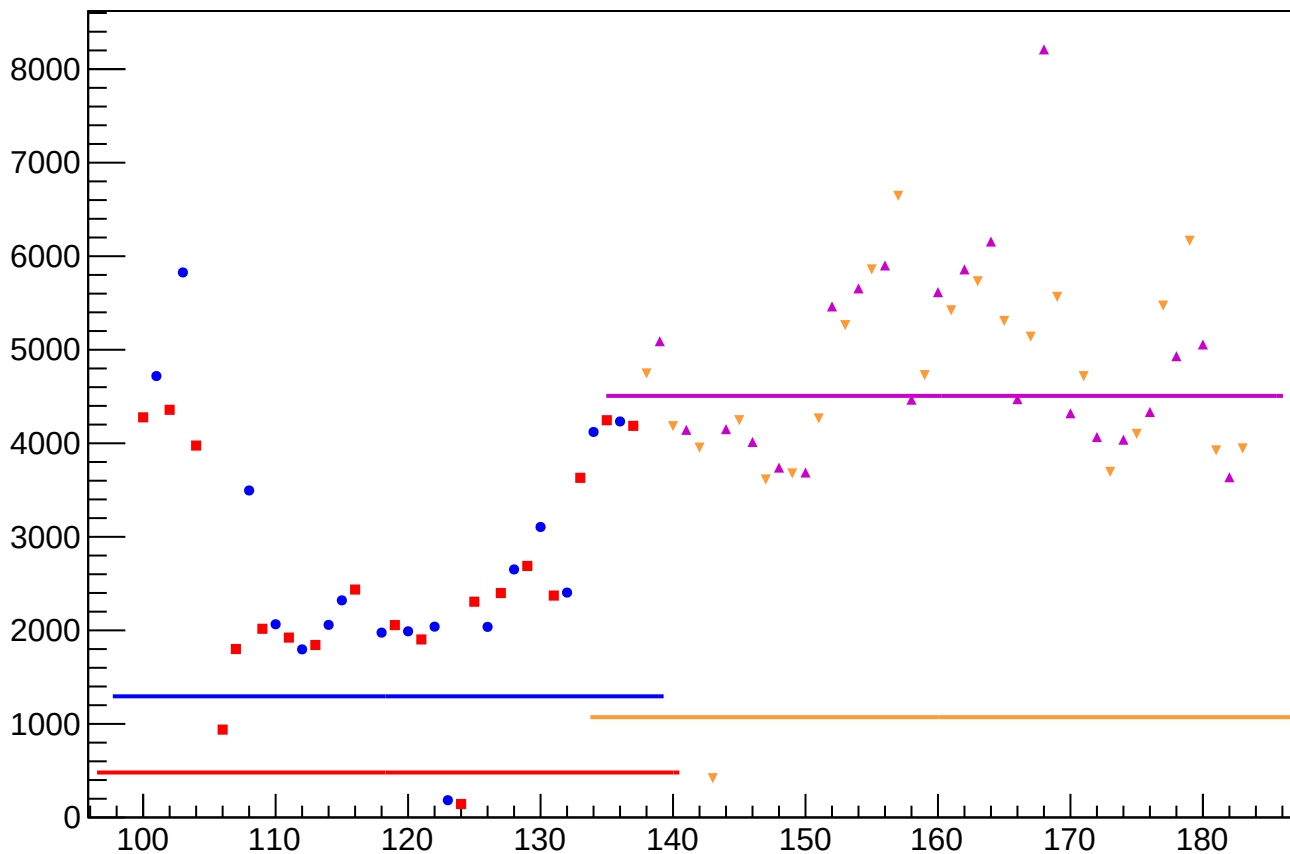
Right: 132.739+/-318.880 χ^2/NDF : 37.6/35

In: 537.703+/-596.031 χ^2/NDF : 29.2/38

Out: 138.008+/-277.625 χ^2/NDF : 54.6/42

All: 209.265+/-251.664 χ^2/NDF : 84.1/81

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1295.065+/-0.500 χ^2/NDF : 6509427.9/16

Left Out: 1072.140+/-0.312 χ^2/NDF : 24195350.7/23

Right Out: 480.403+/-0.253 χ^2/NDF : 10116692.6/18

Left In: 4506.926+/-0.784 χ^2/NDF : 1154680.6/21

Left: 1541.295+/-0.290 χ^2/NDF : 41920435.8/45

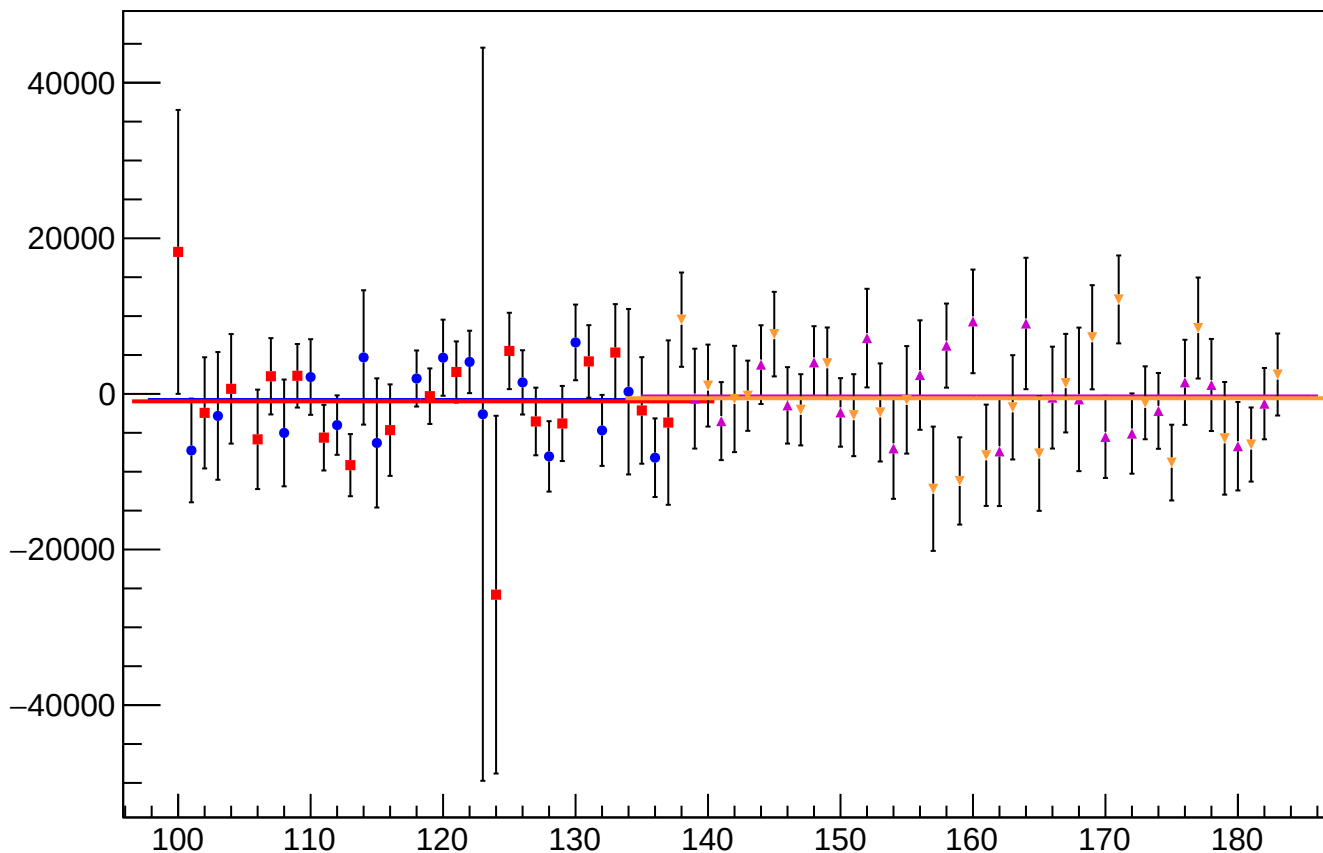
Right: 646.207+/-0.225 χ^2/NDF : 18742133.7/35

In: 2223.135+/-0.421 χ^2/NDF : 19596553.3/38

Out: 714.898+/-0.196 χ^2/NDF : 36485790.7/42

All: 983.787+/-0.178 χ^2/NDF : 66605716.2/83

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -786.677+/-1265.533 χ^2/NDF : 14.7/16

Left Out: -558.939+/-1157.998 χ^2/NDF : 28.2/23

Right Out: -957.432+/-1194.177 χ^2/NDF : 15.6/18

Left In: -328.468+/-1201.082 χ^2/NDF : 14.1/21

Left: -447.911+/-833.644 χ^2/NDF : 42.3/45

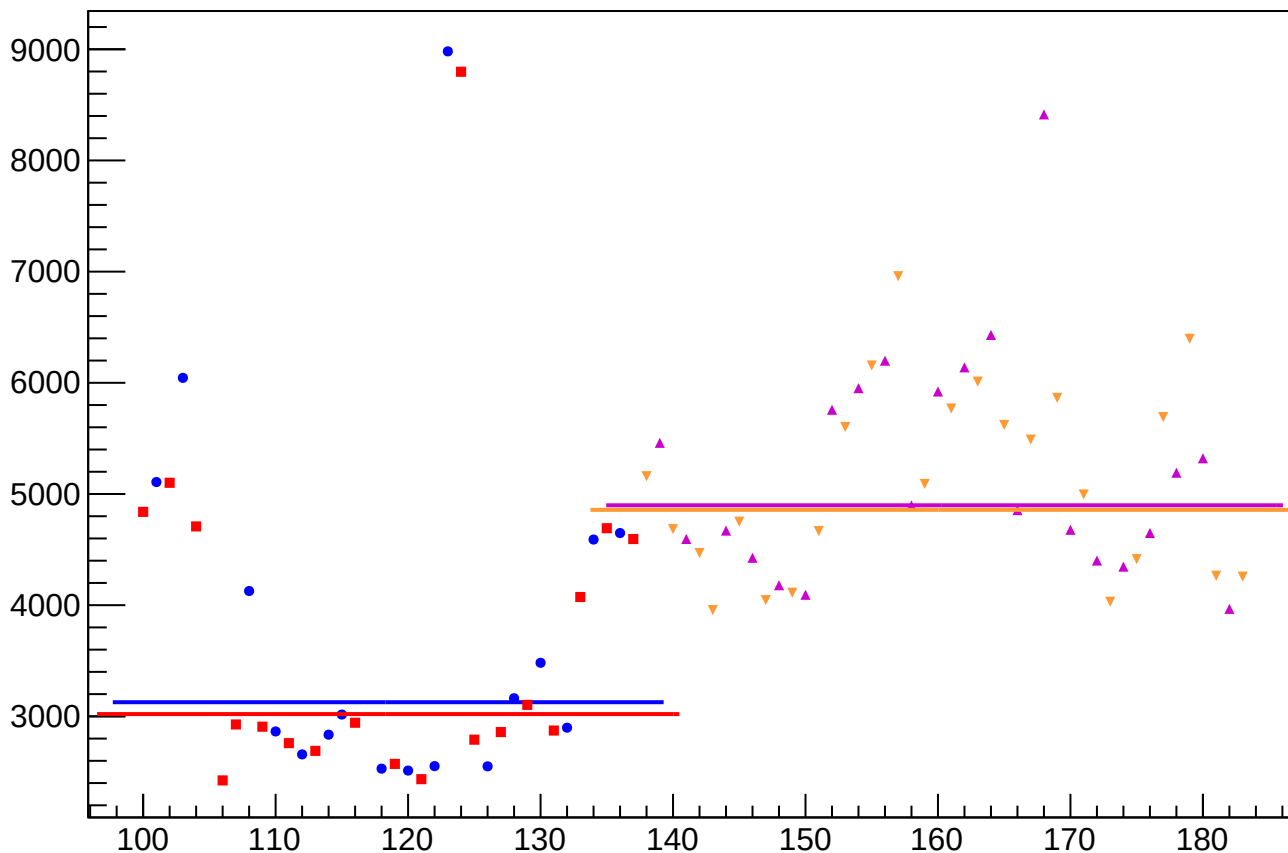
Right: -877.004+/-868.541 χ^2/NDF : 30.3/35

In: -545.608+/-871.187 χ^2/NDF : 28.8/38

Out: -752.058+/-831.324 χ^2/NDF : 43.8/42

All: -653.664+/-601.434 χ^2/NDF : 72.7/81

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3127.109+/-0.895 χ^2/NDF : 942783.2/16

Left Out: 4857.379+/-0.819 χ^2/NDF : 898188.8/23

Right Out: 3020.357+/-0.834 χ^2/NDF : 791453.3/18

Left In: 4898.395+/-0.849 χ^2/NDF : 933774.8/21

Left: 4877.138+/-0.589 χ^2/NDF : 1833172.3/45

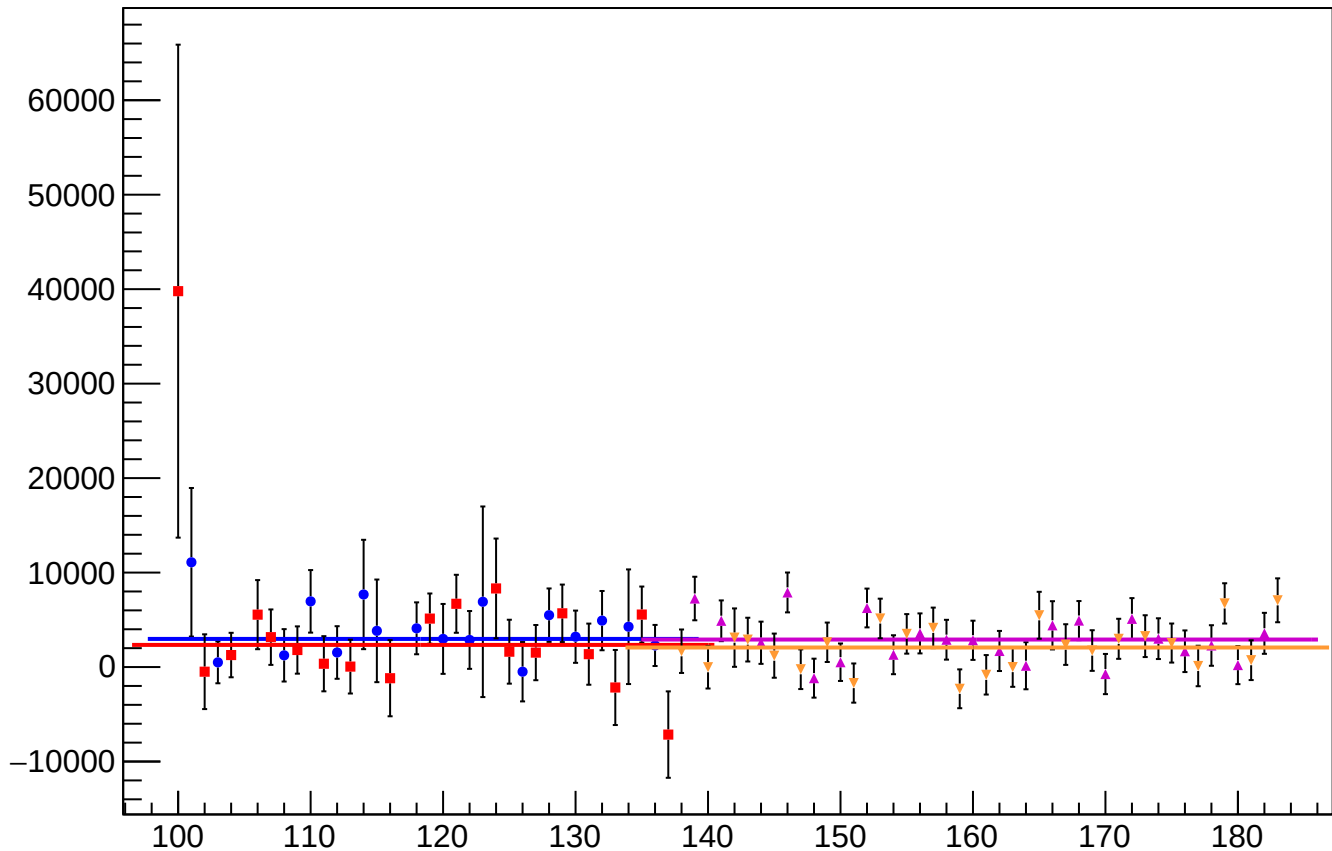
Right: 3069.969+/-0.610 χ^2/NDF : 1741853.8/35

In: 4058.999+/-0.616 χ^2/NDF : 3937854.9/38

Out: 3955.554+/-0.584 χ^2/NDF : 4160516.2/42

All: 4004.539+/-0.424 χ^2/NDF : 8113216.5/81

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2978.237 $\pm$ 777.589 χ^2 /NDF: 8.0/16

Left Out: 2069.039 $\pm$ 446.319 χ^2 /NDF:29.9/23

Right Out: 2344.712 $\pm$ 742.207 χ^2 /NDF: 18.1/18

Left In: 2911.985 $\pm$ 458.091 χ^2 /NDF:27.8/21

Left: 2479.542 $\pm$ 319.676 χ^2 /NDF: 59.5/45

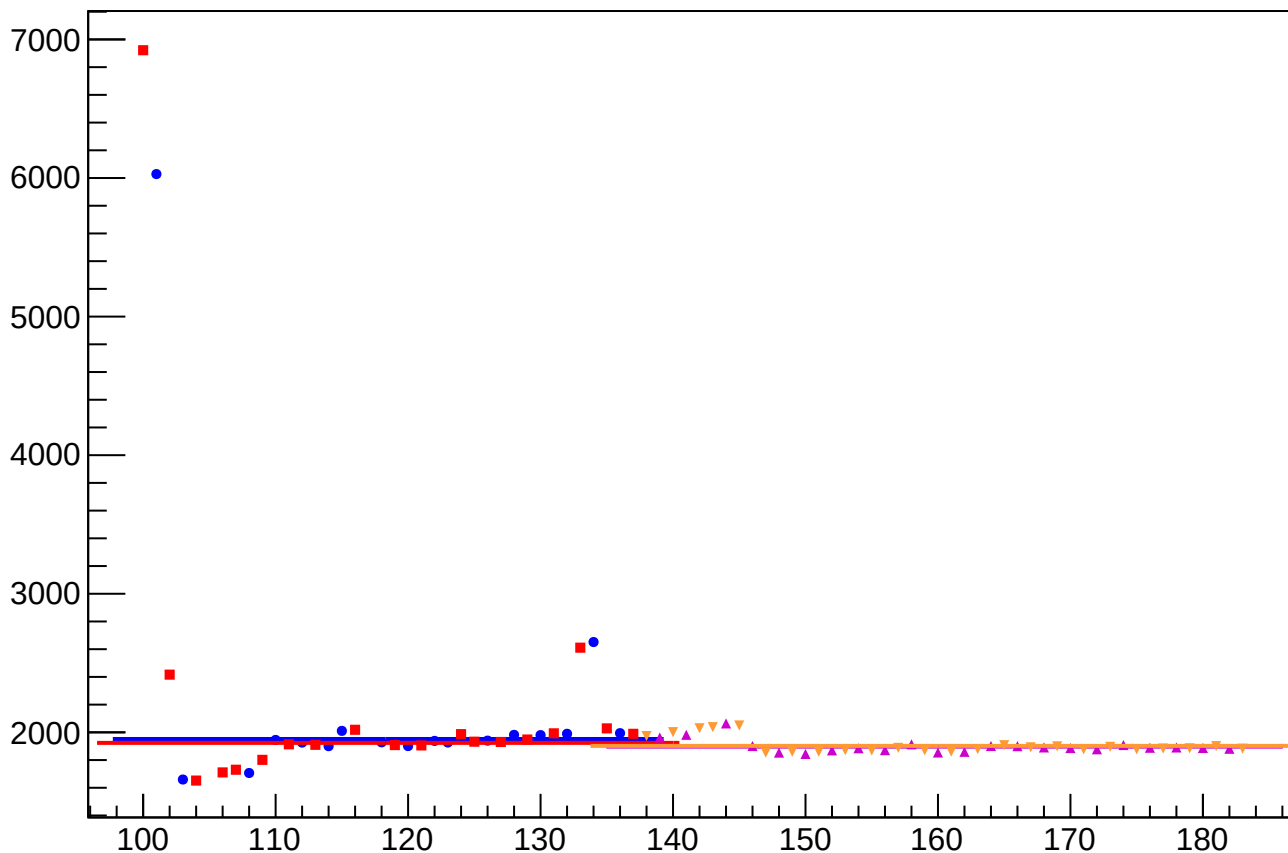
Right: 2646.733 $\pm$ 536.892 χ^2 /NDF: 26.5/35

In: 2929.054 $\pm$ 394.692 χ^2 /NDF:35.8/38

Out: 2142.251 $\pm$ 382.489 χ^2 /NDF:48.2/42

All: 2523.301 $\pm$ 274.673 χ^2 /NDF: 86.0/81

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1952.104 $\pm$ 0.550 χ^2 /NDF: 617388.5/16

Left Out: 1902.374 $\pm$ 0.316 χ^2 /NDF:30274.4/23

Right Out: 1924.009 $\pm$ 0.524 χ^2 /NDF: 217499.2/18

Left In: 1896.971 $\pm$ 0.324 χ^2 /NDF:21034.5/21

Left: 1899.743 $\pm$ 0.226 χ^2 /NDF: 51451.6/45

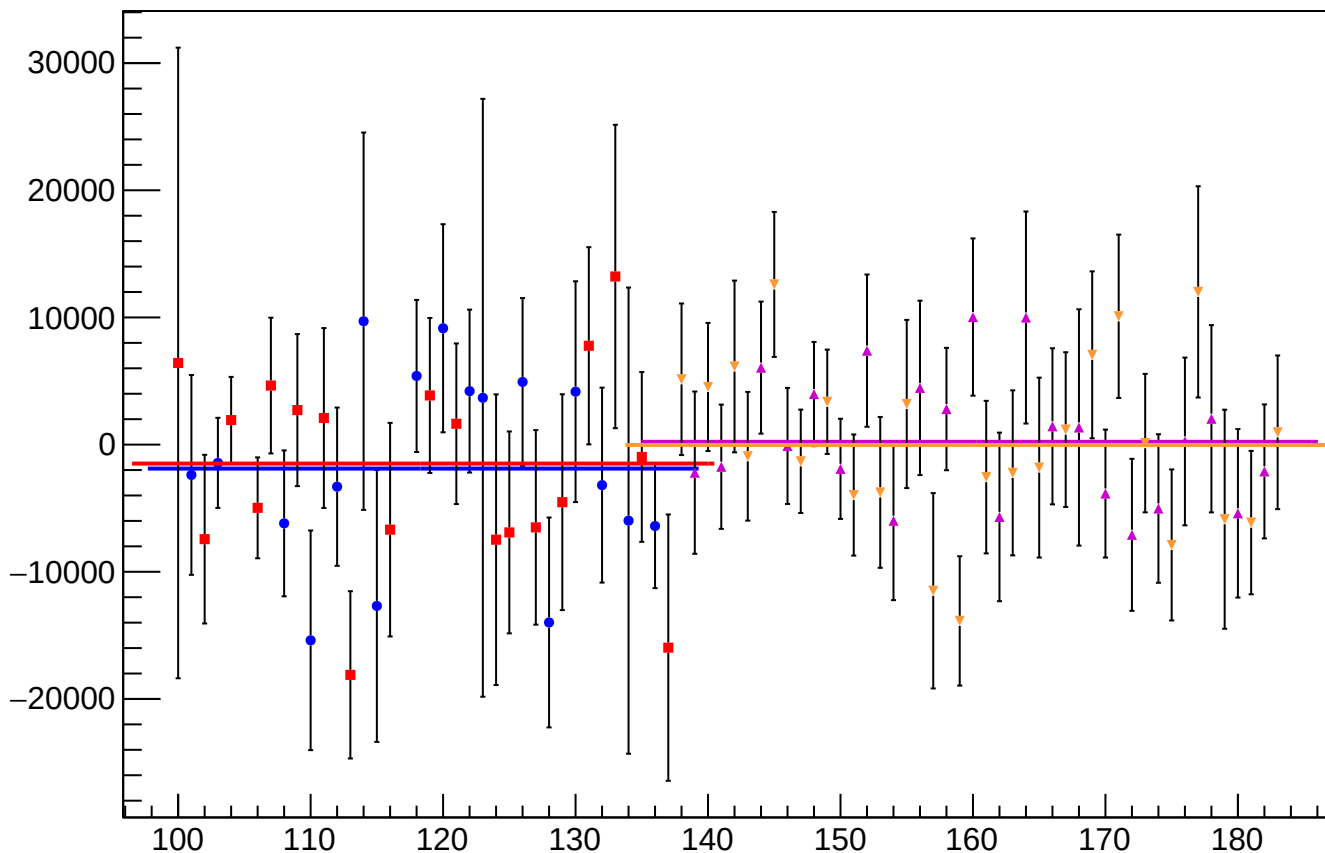
Right: 1937.370 $\pm$ 0.379 χ^2 /NDF: 836257.0/35

In: 1911.176 $\pm$ 0.279 χ^2 /NDF:645887.0/38

Out: 1908.139 $\pm$ 0.270 χ^2 /NDF:249026.1/42

All: 1909.609 $\pm$ 0.194 χ^2 /NDF: 894974.2/81

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -1885.502 $\pm$ 1665.011 χ^2 /NDF: 13.6/16

Left Out: -26.990 $\pm$ 1174.239 χ^2 /NDF: 28.6/23

Right Out: -1490.988 $\pm$ 1479.647 χ^2 /NDF: 18.7/18

Left In: 218.907 $\pm$ 1202.052 χ^2 /NDF: 14.5/21

Left: 93.081 $\pm$ 839.973 χ^2 /NDF: 43.1/45

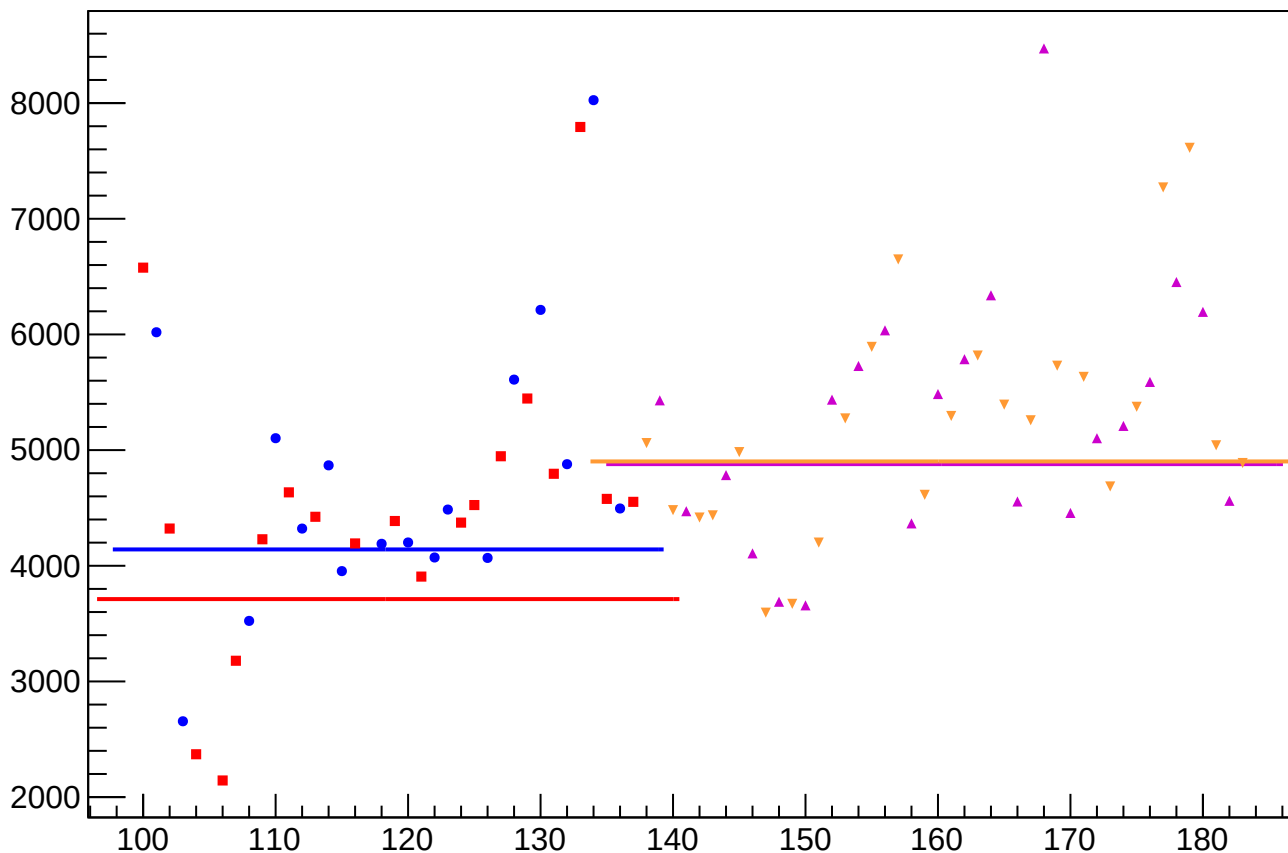
Right: -1665.070 $\pm$ 1106.022 χ^2 /NDF: 32.4/35

In: -502.122 $\pm$ 974.605 χ^2 /NDF: 29.1/38

Out: -592.714 $\pm$ 919.794 χ^2 /NDF: 47.9/42

All: -550.037 $\pm$ 668.931 χ^2 /NDF: 77.1/81

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4141.263+/-1.177 χ^2/NDF : 818140.6/16

Left Out: 4902.011+/-0.830 χ^2/NDF :1136872.4/23

Right Out: 3711.958+/-1.046 χ^2/NDF : 1276723.1/18

Left In: 4878.863+/-0.850 χ^2/NDF :1228144.4/21

Left: 4890.708+/-0.594 χ^2/NDF : 2365396.3/45

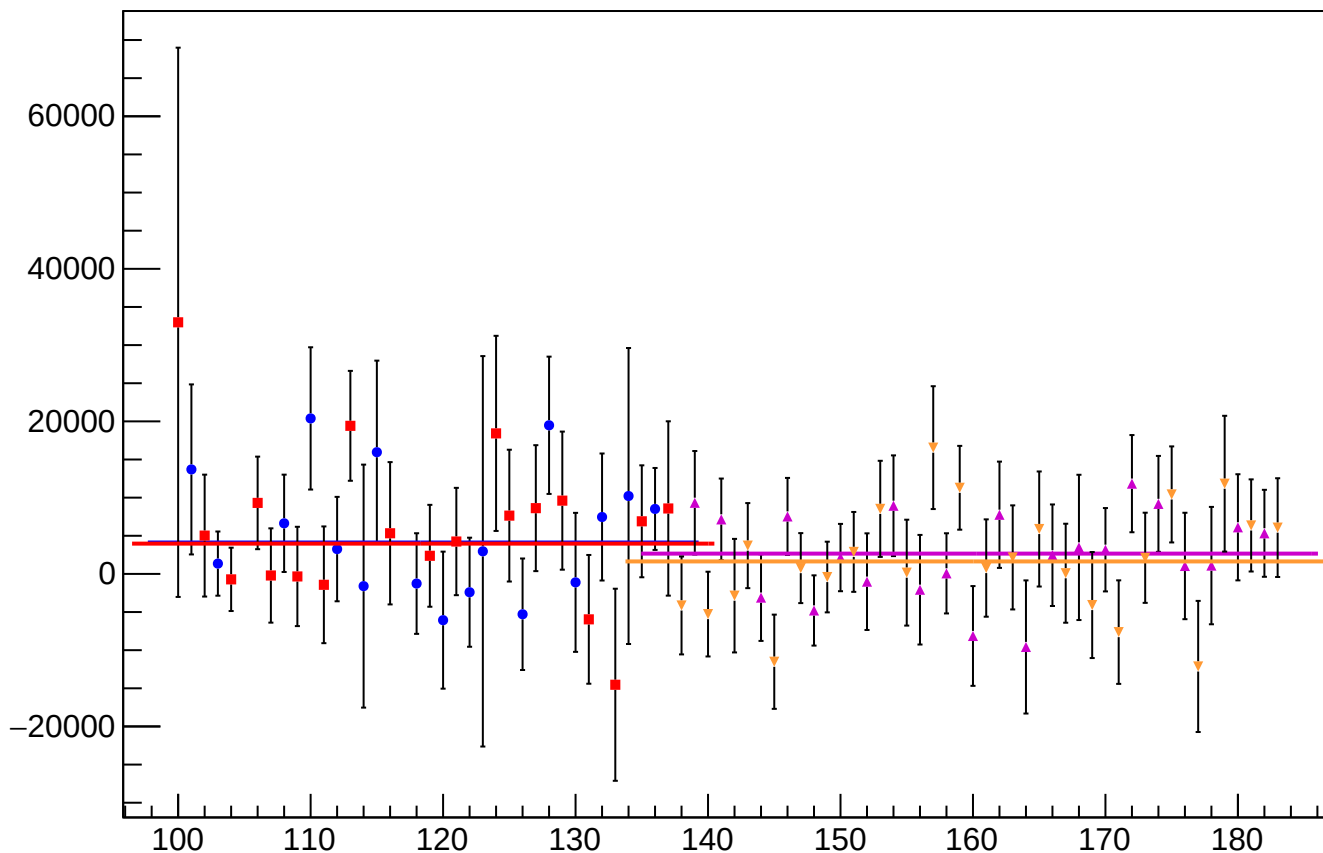
Right: 3901.392+/-0.782 χ^2/NDF : 2169155.3/35

In: 4626.141+/-0.689 χ^2/NDF :2304302.1/38

Out: 4442.146+/-0.650 χ^2/NDF :3207402.3/42

All: 4528.824+/-0.473 χ^2/NDF : 5549406.7/81

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4116.431+/-1876.246 χ^2/NDF : 14.1/16

Left Out: 1636.597+/-1270.911 χ^2/NDF : 25.3/23

Right Out: 3971.073+/-1728.385 χ^2/NDF : 14.8/18

Left In: 2660.721+/-1300.056 χ^2/NDF : 17.1/21

Left: 2137.051+/-908.799 χ^2/NDF : 42.7/45

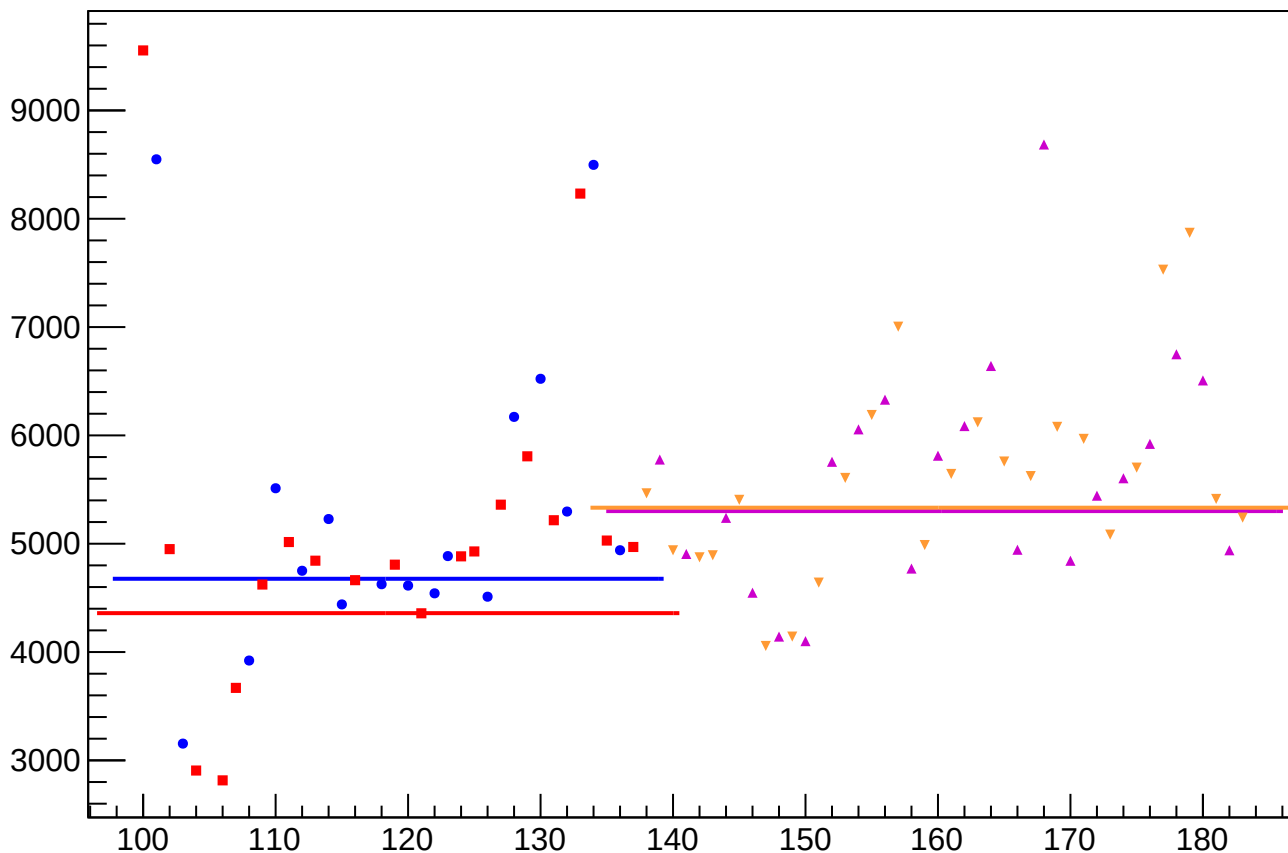
Right: 4037.799+/-1271.216 χ^2/NDF : 28.9/35

In: 3132.919+/-1068.598 χ^2/NDF : 31.6/38

Out: 2455.860+/-1023.900 χ^2/NDF : 41.3/42

All: 2779.933+/-739.303 χ^2/NDF : 73.1/81

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4676.405 $\pm$ 1.327 χ^2 /NDF: 783034.3/16

Left Out: 5332.545 $\pm$ 0.899 χ^2 /NDF: 867779.2/23

Right Out: 4359.077 $\pm$ 1.215 χ^2 /NDF: 833565.3/18

Left In: 5301.174 $\pm$ 0.919 χ^2 /NDF: 955484.7/21

Left: 5317.215 $\pm$ 0.643 χ^2 /NDF: 1823859.4/45

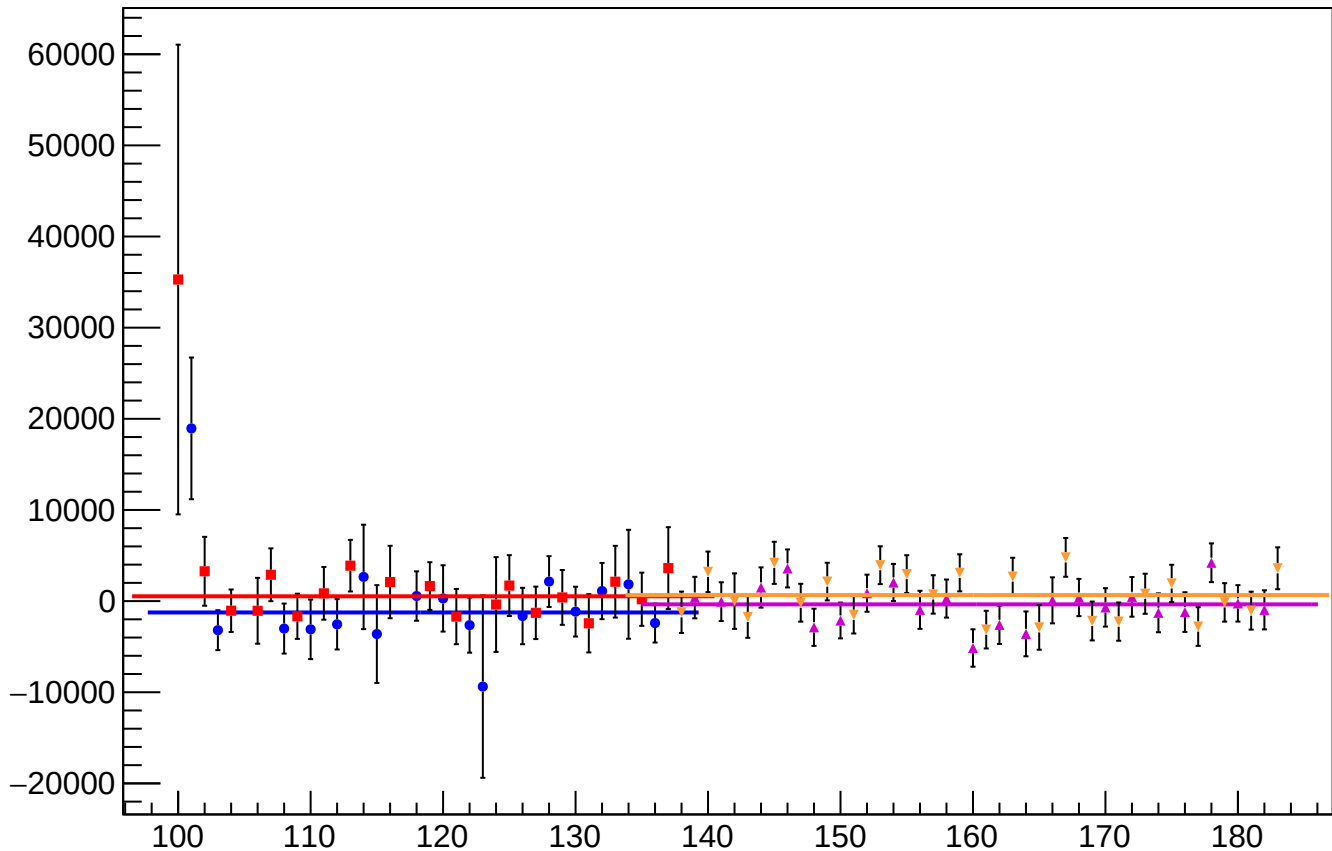
Right: 4503.830 $\pm$ 0.896 χ^2 /NDF: 1647712.1/35

In: 5098.513 $\pm$ 0.756 χ^2 /NDF: 1888347.5/38

Out: 4988.333 $\pm$ 0.723 χ^2 /NDF: 2116247.7/42

All: 5040.958 $\pm$ 0.522 χ^2 /NDF: 4015702.0/81

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1245.595 $\pm$ 767.454 χ^2 /NDF: 13.3/16

Left Out: 659.890 $\pm$ 441.357 χ^2 /NDF: 31.9/23

Right Out: 528.673 $\pm$ 732.449 χ^2 /NDF: 8.8/18

Left In: -356.834 $\pm$ 453.096 χ^2 /NDF: 22.4/21

Left: 164.868 $\pm$ 316.155 χ^2 /NDF: 56.8/45

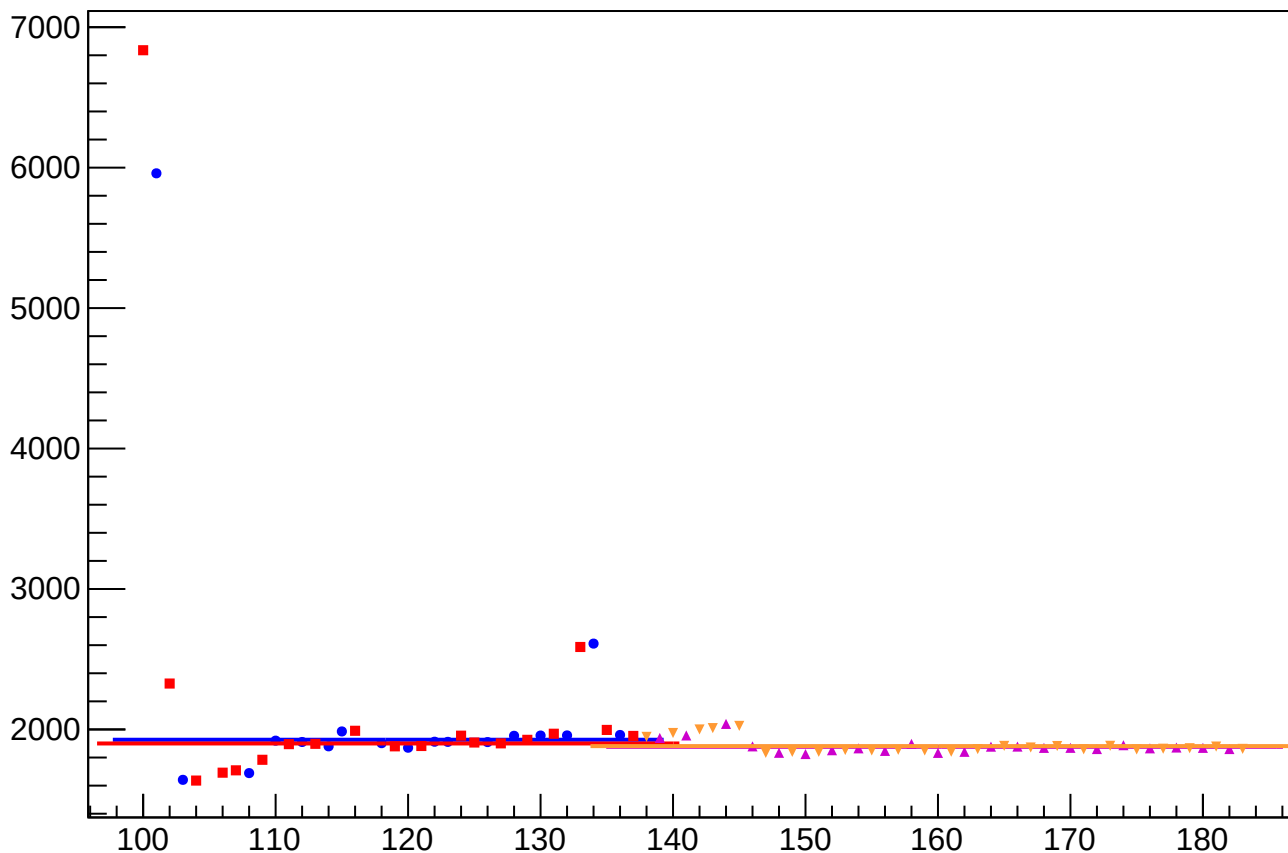
Right: -317.076 $\pm$ 529.863 χ^2 /NDF: 24.9/35

In: -586.550 $\pm$ 390.171 χ^2 /NDF: 36.6/38

Out: 624.937 $\pm$ 378.030 χ^2 /NDF: 40.7/42

All: 38.335 $\pm$ 271.499 χ^2 /NDF: 82.3/81

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.691 $\pm$ 0.543 χ^2 /NDF: 615898.2/16

Left Out: 1881.290 $\pm$ 0.312 χ^2 /NDF: 28484.5/23

Right Out: 1900.134 $\pm$ 0.517 χ^2 /NDF: 210983.9/18

Left In: 1876.293 $\pm$ 0.320 χ^2 /NDF: 20403.0/21

Left: 1878.857 $\pm$ 0.224 χ^2 /NDF: 49012.4/45

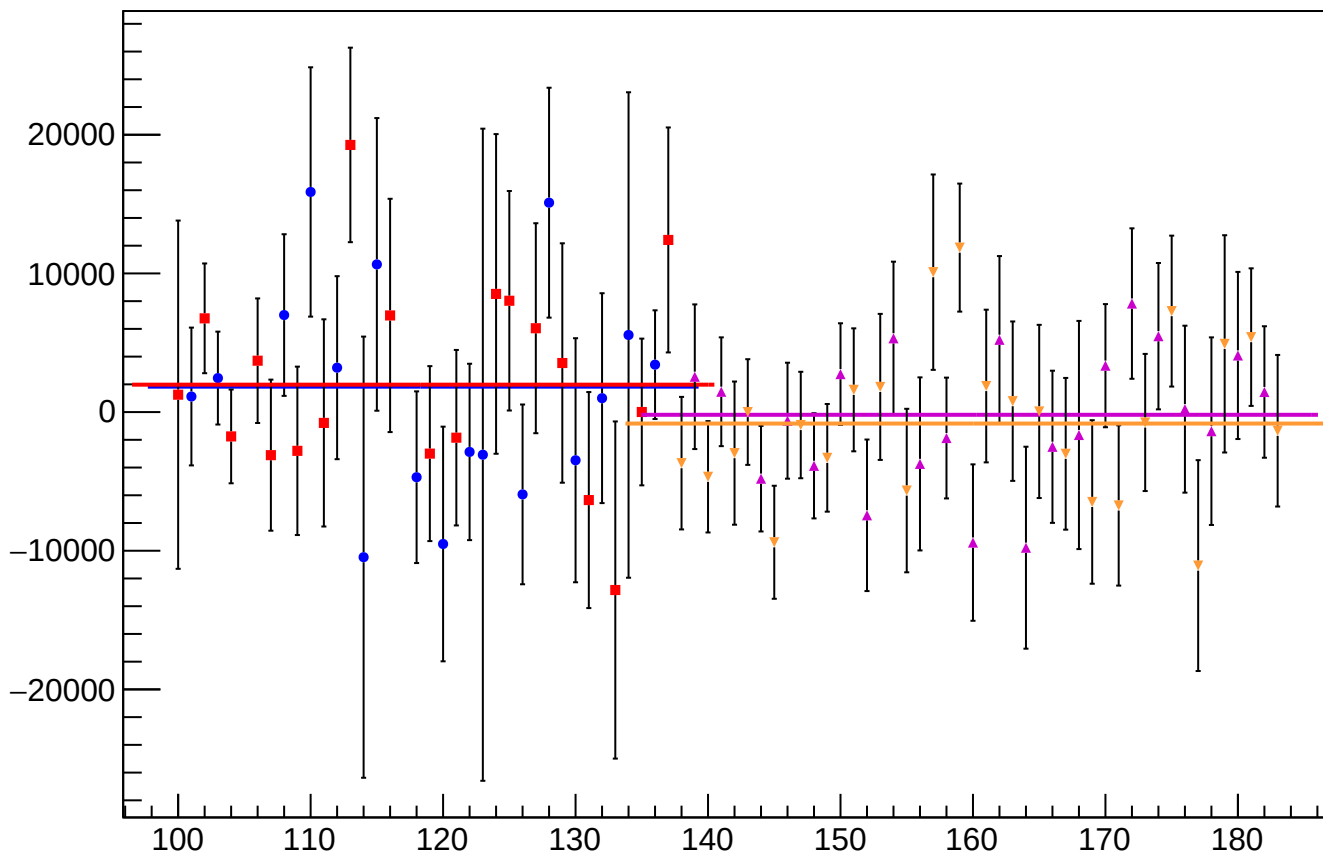
Right: 1912.763 $\pm$ 0.374 χ^2 /NDF: 828138.1/35

In: 1889.319 $\pm$ 0.276 χ^2 /NDF: 642697.0/38

Out: 1886.327 $\pm$ 0.267 χ^2 /NDF: 240442.8/42

All: 1887.775 $\pm$ 0.192 χ^2 /NDF: 883200.5/81

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1834.690+/-1559.964 χ^2/NDF : 12.7/16

Left Out: -826.827+/-1024.561 χ^2/NDF :26.1/23

Right Out: 1977.025+/-1415.600 χ^2/NDF : 17.5/18

Left In: -196.191+/-1063.504 χ^2/NDF :16.8/21

Left: -523.267+/-737.857 χ^2/NDF : 43.1/45

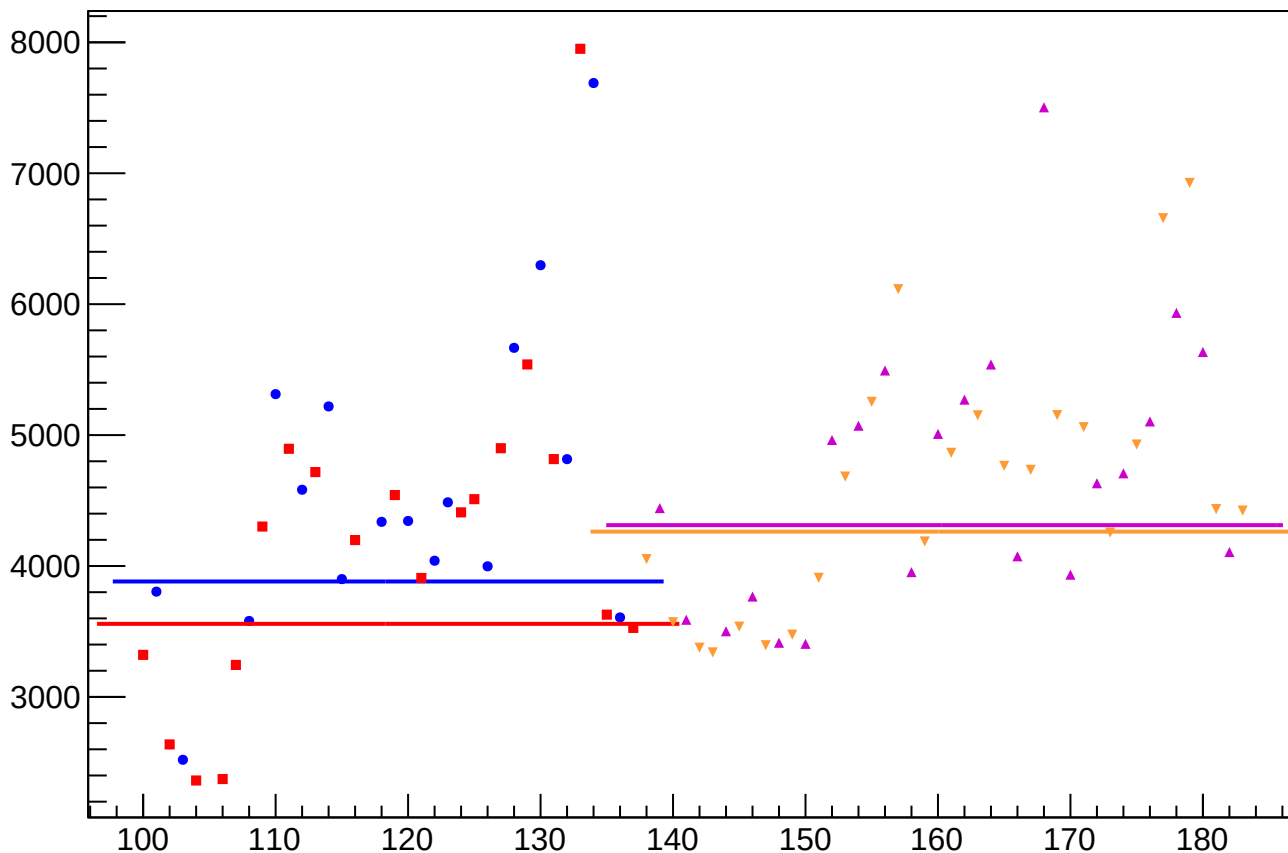
Right: 1912.747+/-1048.312 χ^2/NDF : 30.2/35

In: 448.216+/-878.724 χ^2/NDF :30.6/38

Out: 137.027+/-829.982 χ^2/NDF :46.2/42

All: 283.752+/-603.382 χ^2/NDF : 76.9/81

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.913 $\pm$ 1.103 χ^2 /NDF: 821979.1/16

Left Out: 4262.790 $\pm$ 0.724 χ^2 /NDF: 1354514.6/23

Right Out: 3558.184 $\pm$ 1.001 χ^2 /NDF: 1242011.6/18

Left In: 4312.161 $\pm$ 0.752 χ^2 /NDF: 1304195.4/21

Left: 4286.555 $\pm$ 0.522 χ^2 /NDF: 2660945.4/45

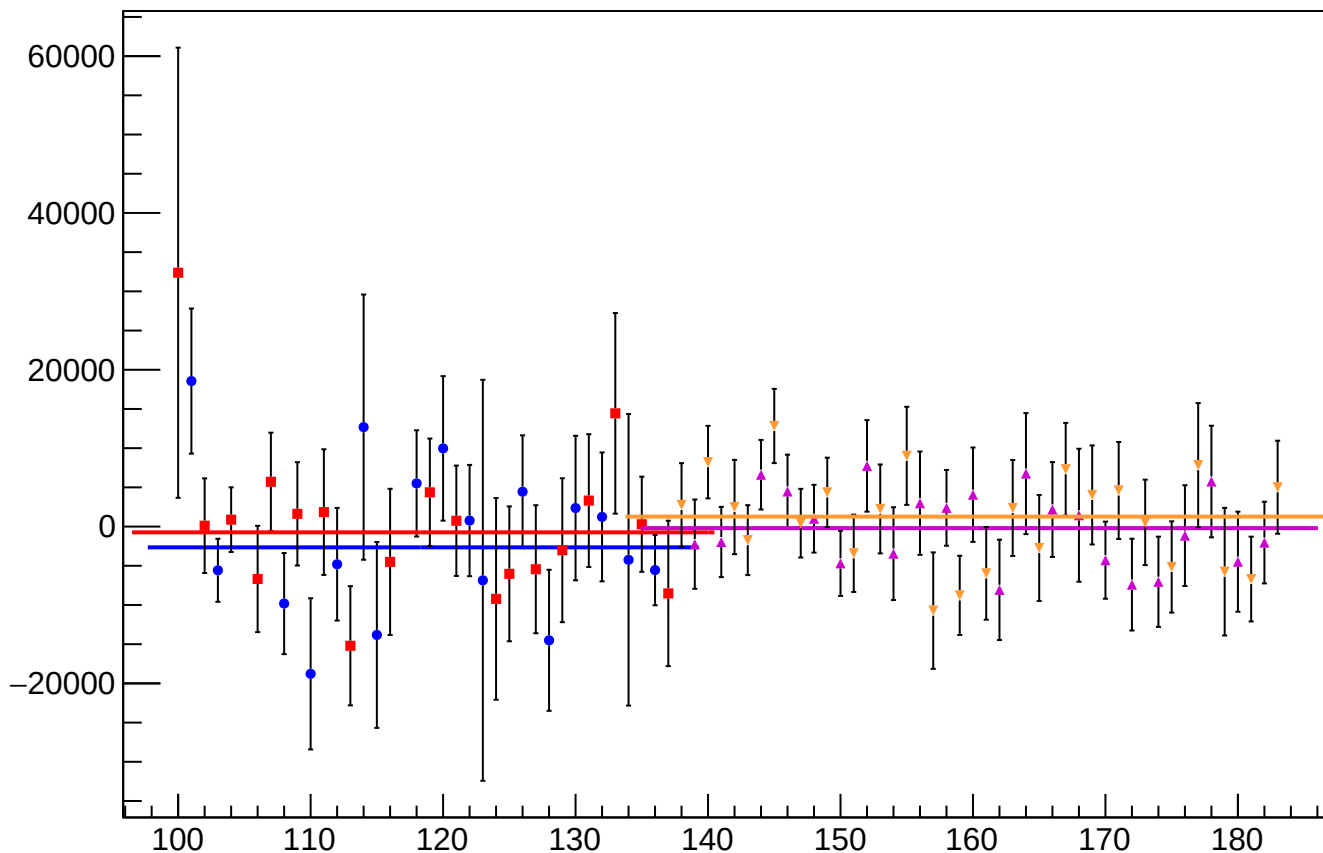
Right: 3704.379 $\pm$ 0.741 χ^2 /NDF: 2111225.8/35

In: 4175.641 $\pm$ 0.621 χ^2 /NDF: 2230038.3/38

Out: 4020.574 $\pm$ 0.587 χ^2 /NDF: 2921691.8/42

All: 4093.688 $\pm$ 0.427 χ^2 /NDF: 5184646.4/81

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2650.826 $\pm$ 1813.388 χ^2 /NDF: 18.9/16

Left Out: 1268.977 $\pm$ 1134.542 χ^2 /NDF: 27.0/23

Right Out: -739.638 $\pm$ 1693.226 χ^2 /NDF: 11.5/18

Left In: -196.387 $\pm$ 1171.961 χ^2 /NDF: 15.5/21

Left: 560.062 $\pm$ 815.150 χ^2 /NDF: 43.3/45

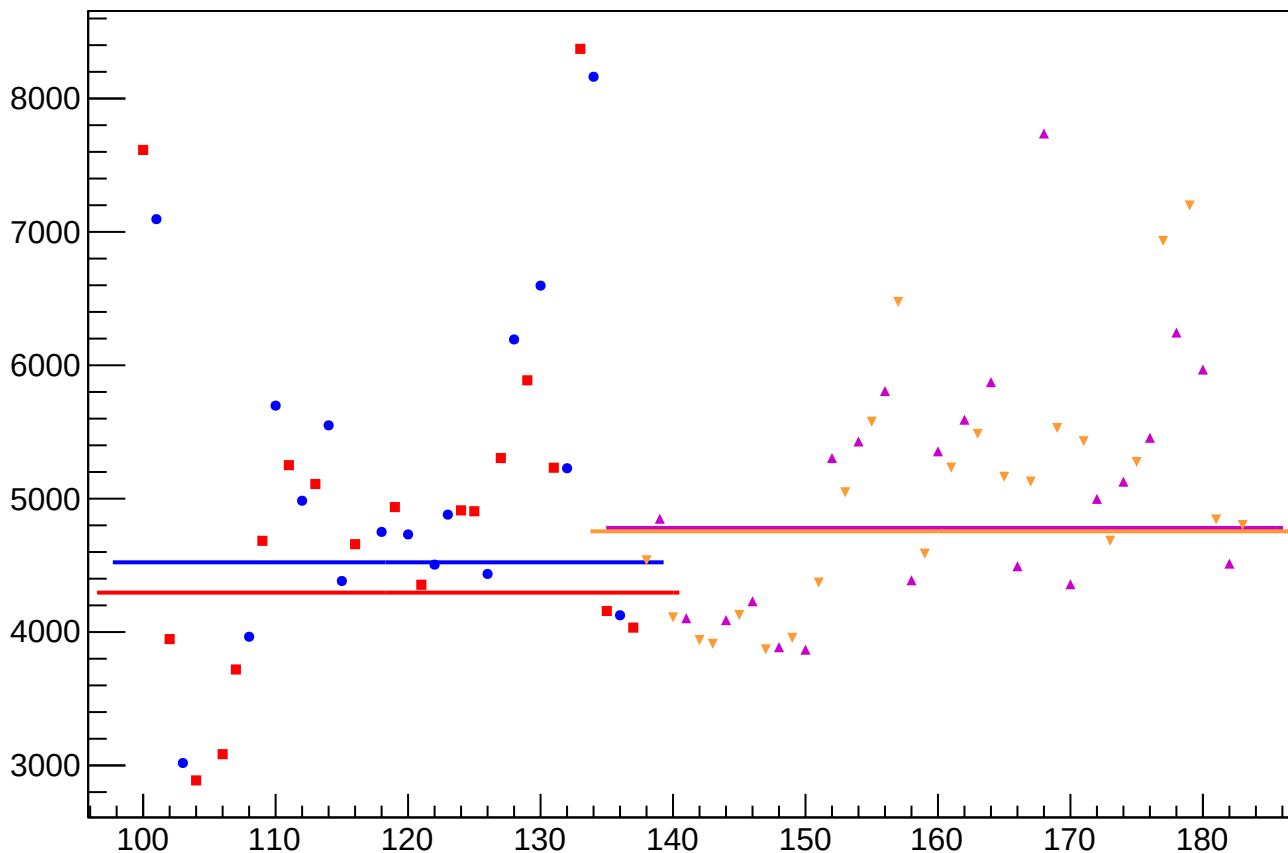
Right: -1629.818 $\pm$ 1237.593 χ^2 /NDF: 31.0/35

In: -919.521 $\pm$ 984.292 χ^2 /NDF: 35.6/38

Out: 646.605 $\pm$ 942.523 χ^2 /NDF: 39.5/42

All: -102.524 $\pm$ 680.752 χ^2 /NDF: 76.4/81

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4522.775+/-1.282 χ^2/NDF : 776612.8/16

Left Out: 4755.263+/-0.802 χ^2/NDF : 953326.3/23

Right Out: 4295.614+/-1.191 χ^2/NDF : 773207.8/18

Left In: 4780.312+/-0.829 χ^2/NDF : 949786.6/21

Left: 4767.381+/-0.576 χ^2/NDF : 1903584.6/45

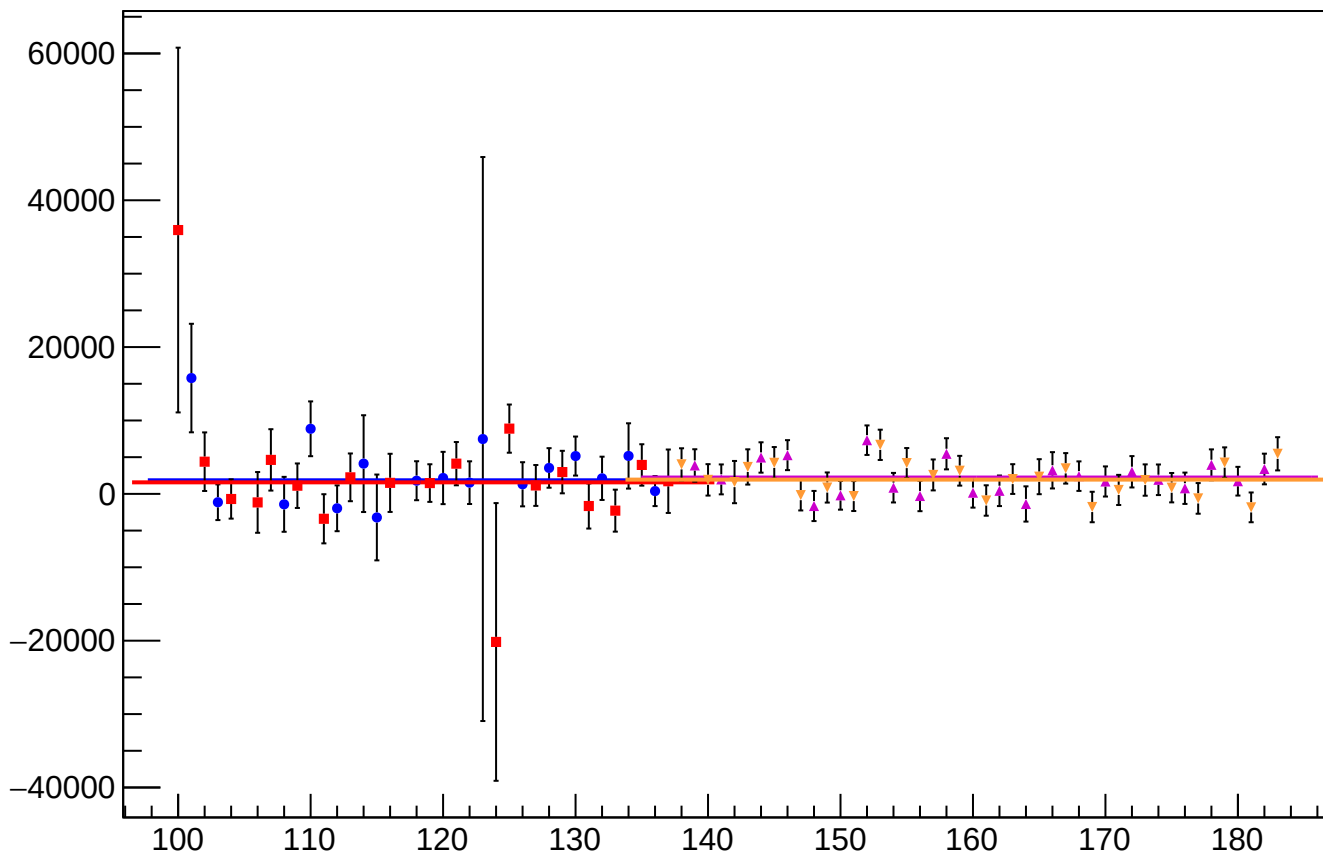
Right: 4400.789+/-0.872 χ^2/NDF : 1566674.2/35

In: 4704.436+/-0.696 χ^2/NDF : 1754853.7/38

Out: 4611.740+/-0.665 χ^2/NDF : 1829036.6/42

All: 4655.999+/-0.481 χ^2/NDF : 3593158.8/81

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1850.872 $\pm$ 785.814 χ^2 /NDF: 14.8/16

Left Out: 1943.895 $\pm$ 434.031 χ^2 /NDF: 27.1/23

Right Out: 1571.043 $\pm$ 768.050 χ^2 /NDF: 17.3/18

Left In: 2225.810 $\pm$ 445.121 χ^2 /NDF: 26.3/21

Left: 2081.297 $\pm$ 310.753 χ^2 /NDF: 53.6/45

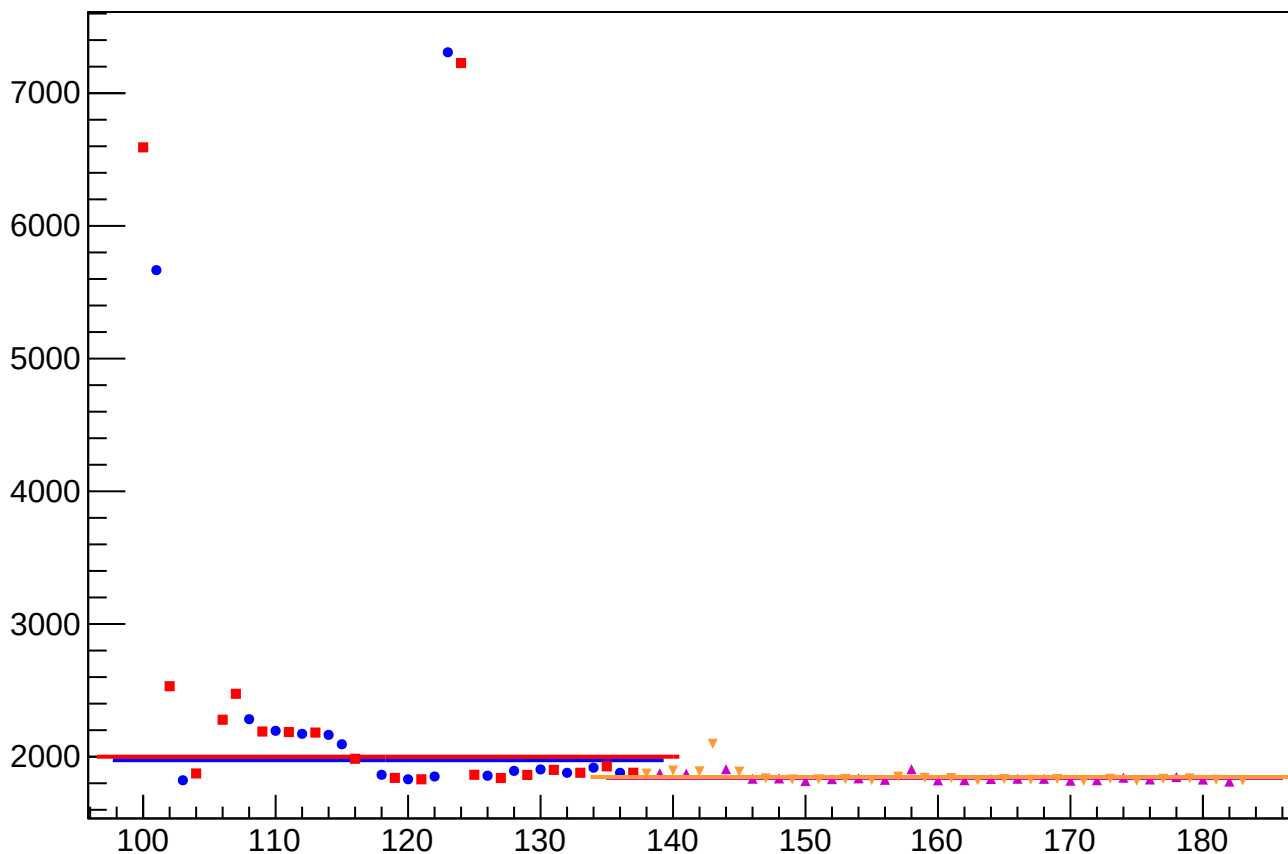
Right: 1707.759 $\pm$ 549.266 χ^2 /NDF: 32.2/35

In: 2134.731 $\pm$ 387.302 χ^2 /NDF: 41.2/38

Out: 1853.647 $\pm$ 377.869 χ^2 /NDF: 44.6/42

All: 1990.724 $\pm$ 270.467 χ^2 /NDF: 86.1/81

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1973.812+/-0.556 χ^2/NDF : 599877.2/16

Left Out: 1847.090+/-0.307 χ^2/NDF : 27122.2/23

Right Out: 2000.069+/-0.543 χ^2/NDF : 353620.6/18

Left In: 1840.130+/-0.315 χ^2/NDF : 6627.9/21

Left: 1843.698+/-0.220 χ^2/NDF : 34000.8/45

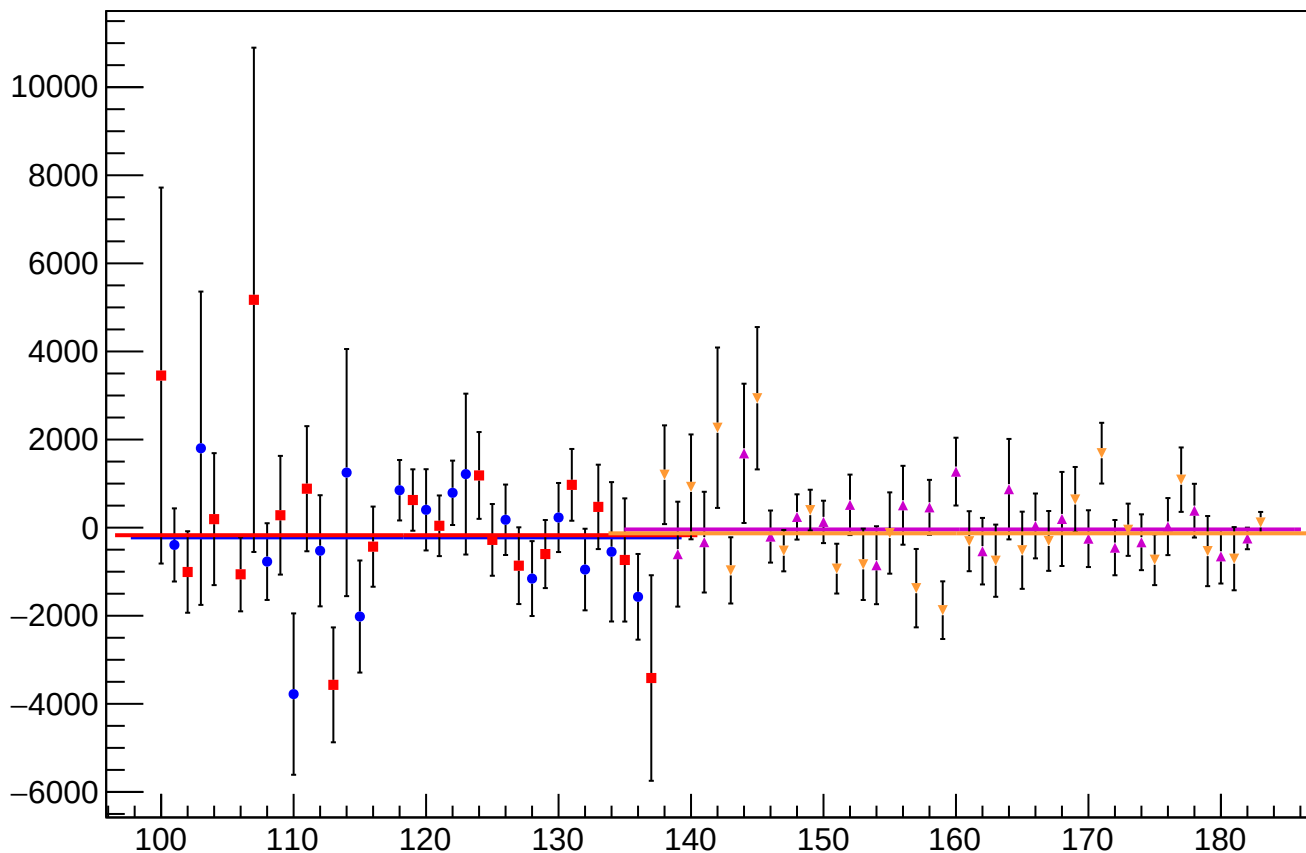
Right: 1987.241+/-0.388 χ^2/NDF : 954639.9/35

In: 1872.603+/-0.274 χ^2/NDF : 650326.2/38

Out: 1884.119+/-0.267 χ^2/NDF : 440882.0/42

All: 1878.503+/-0.191 χ^2/NDF : 1092114.0/81

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -220.797+/-241.210 χ^2/NDF : 16.7/16

Left Out: -129.066+/-126.639 χ^2/NDF : 37.4/23

Right Out: -171.668+/-229.758 χ^2/NDF : 19.9/18

Left In: -41.230+/-130.413 χ^2/NDF : 11.5/21

Left: -86.437+/-90.852 χ^2/NDF : 49.1/45

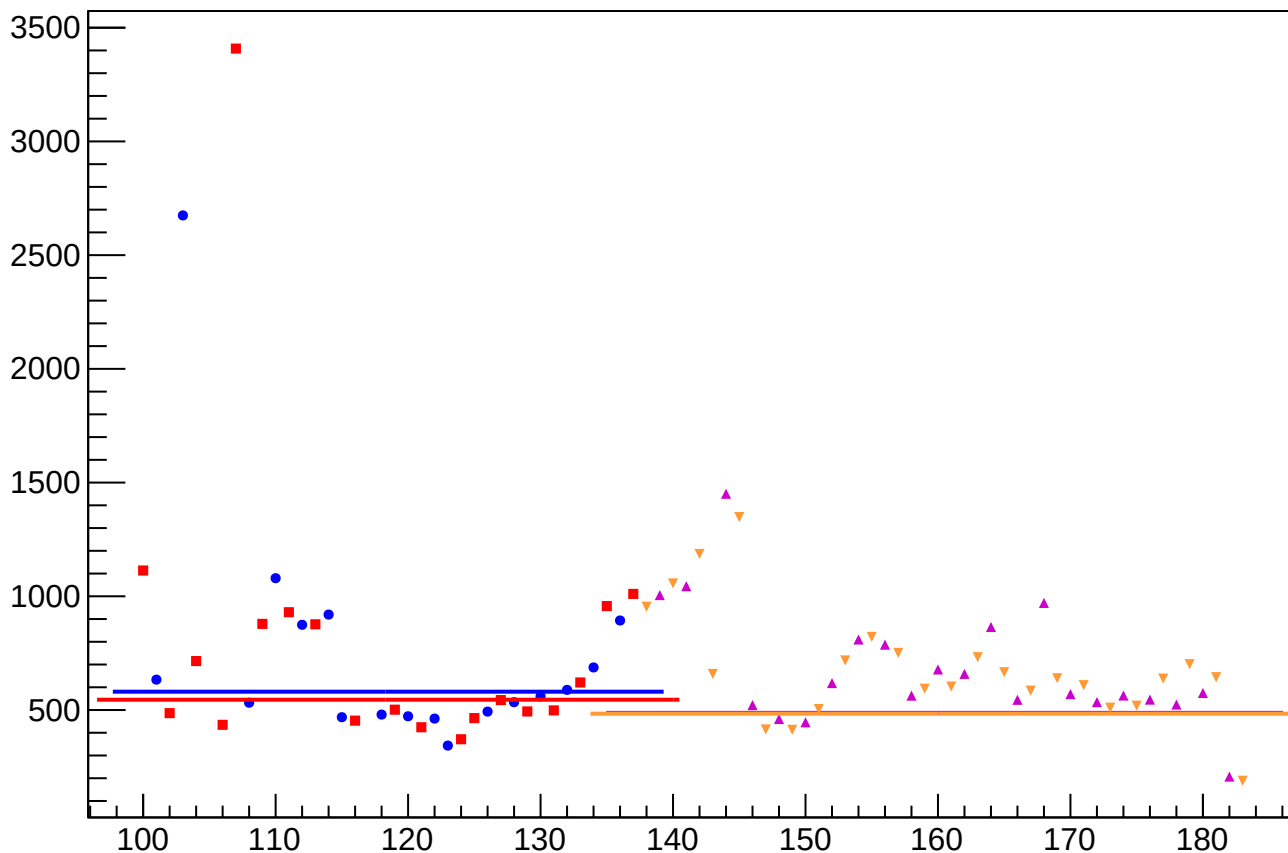
Right: -195.039+/-166.365 χ^2/NDF : 36.6/35

In: -81.847+/-114.719 χ^2/NDF : 28.6/38

Out: -138.993+/-110.907 χ^2/NDF : 57.3/42

All: -111.385+/-79.737 χ^2/NDF : 86.0/81

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 580.578 $\pm$ 0.171 χ^2 /NDF: 1413766.8/16

Left Out: 483.820 $\pm$ 0.090 χ^2 /NDF: 6479247.1/23

Right Out: 545.286 $\pm$ 0.162 χ^2 /NDF: 1455572.2/18

Left In: 487.438 $\pm$ 0.092 χ^2 /NDF: 5838415.7/21

Left: 485.576 $\pm$ 0.064 χ^2 /NDF: 12318455.2/45

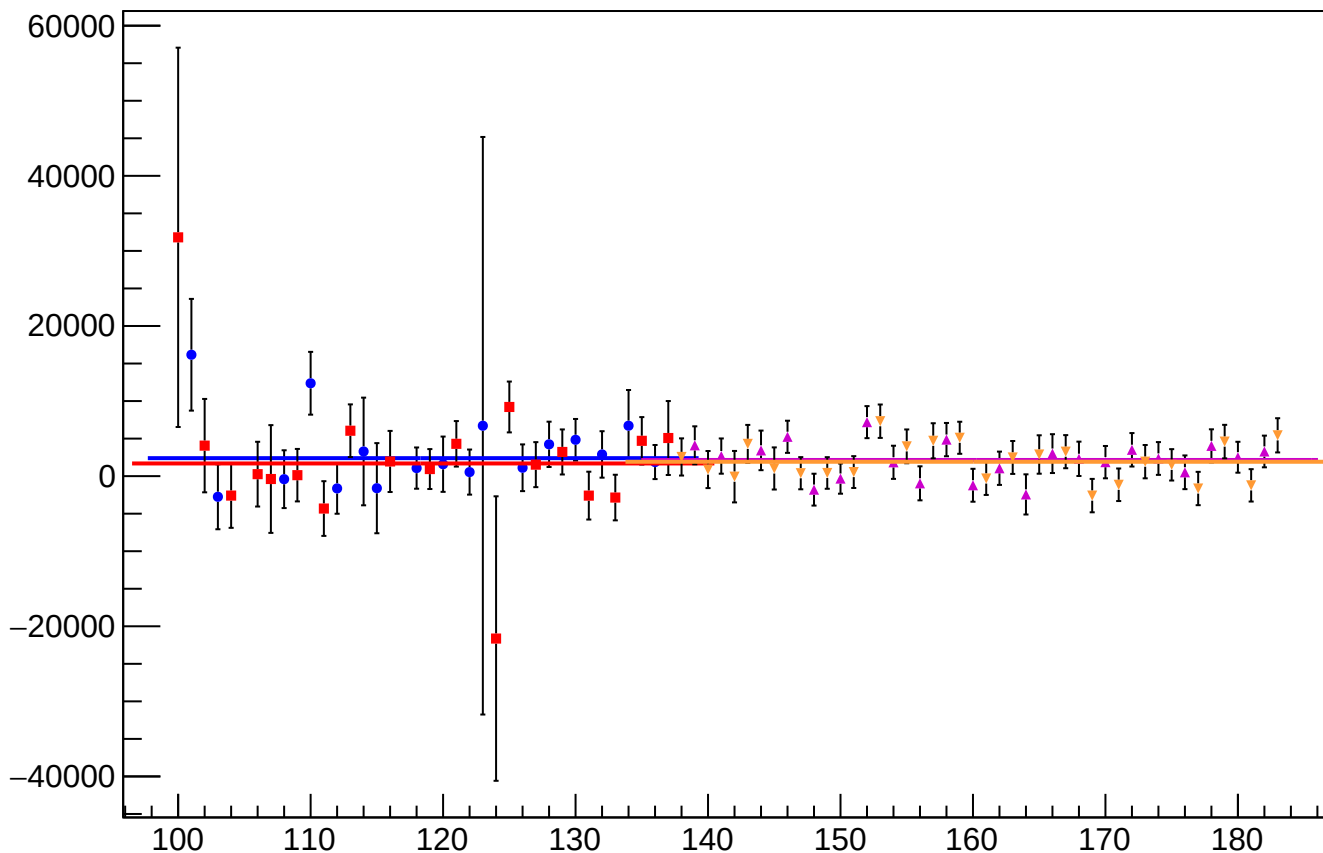
Right: 562.075 $\pm$ 0.118 χ^2 /NDF: 2891787.0/35

In: 508.506 $\pm$ 0.081 χ^2 /NDF: 7482934.8/38

Out: 498.142 $\pm$ 0.078 χ^2 /NDF: 8044606.8/42

All: 503.149 $\pm$ 0.056 χ^2 /NDF: 15535978.8/83

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2394.430+/-865.666 χ^2/NDF : 15.8/16

Left Out: 1915.328+/-466.417 χ^2/NDF : 29.7/23

Right Out: 1689.195+/-856.105 χ^2/NDF : 20.2/18

Left In: 2152.514+/-478.176 χ^2/NDF : 24.6/21

Left: 2030.969+/-333.887 χ^2/NDF : 54.4/45

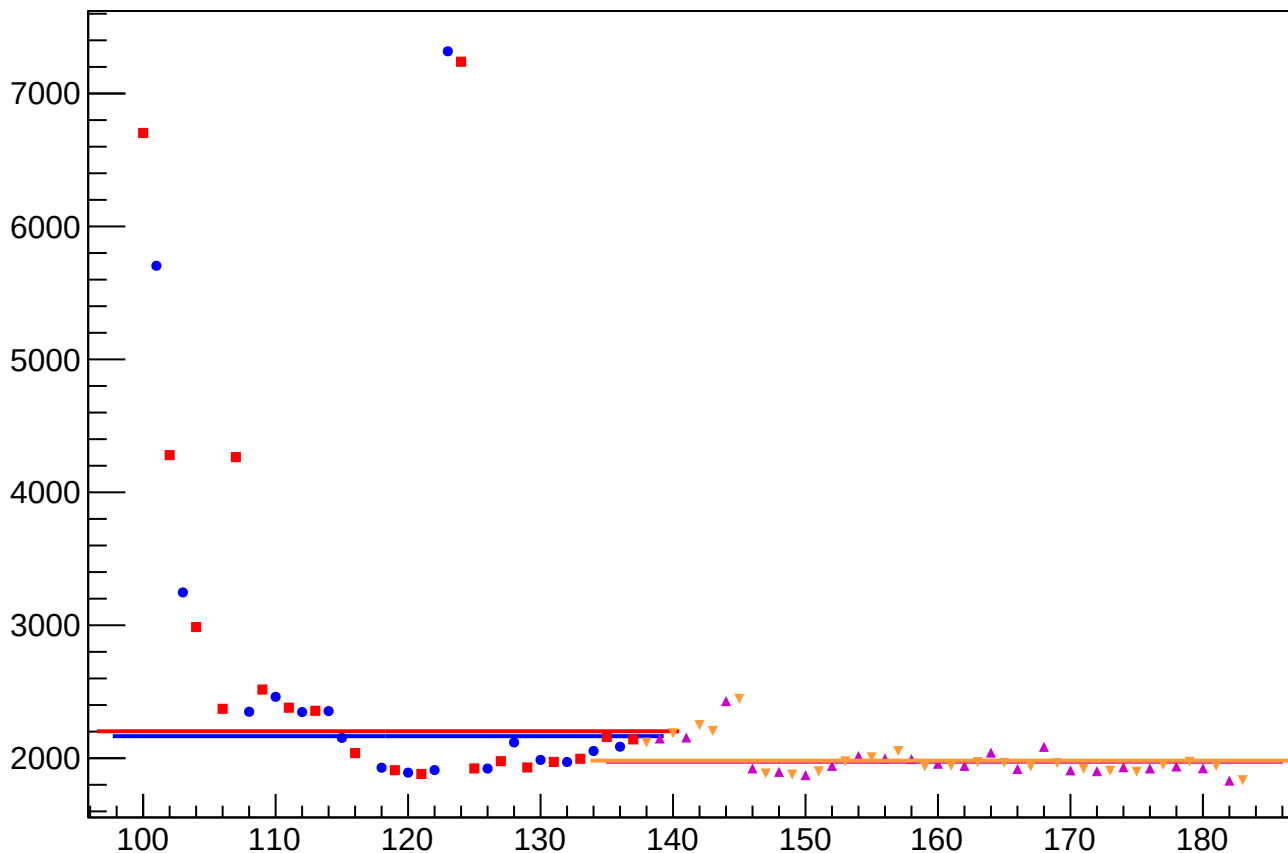
Right: 2037.897+/-608.710 χ^2/NDF : 36.4/35

In: 2209.072+/-418.564 χ^2/NDF : 40.5/38

Out: 1863.570+/-409.576 χ^2/NDF : 49.9/42

All: 2032.571+/-292.740 χ^2/NDF : 90.7/81

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2165.566+/-0.612 χ^2/NDF : 707806.4/16

Left Out: 1981.449+/-0.330 χ^2/NDF :135826.4/23

Right Out: 2202.669+/-0.605 χ^2/NDF : 799074.2/18

Left In: 1973.618+/-0.338 χ^2/NDF :115380.2/21

Left: 1977.631+/-0.236 χ^2/NDF : 251481.5/45

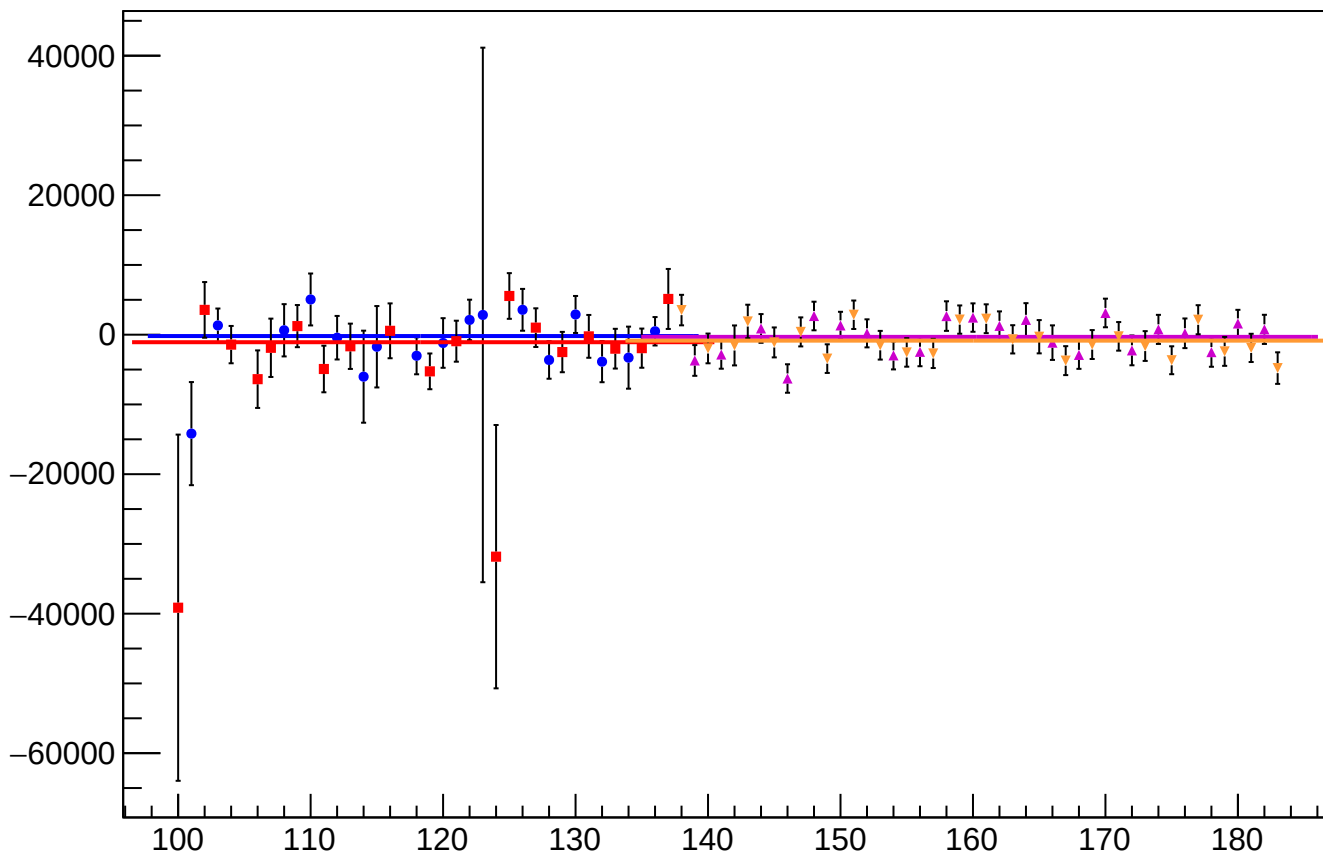
Right: 2184.324+/-0.430 χ^2/NDF : 1508738.0/35

In: 2018.493+/-0.296 χ^2/NDF :898530.3/38

Out: 2032.083+/-0.290 χ^2/NDF :1037879.7/42

All: 2025.435+/-0.207 χ^2/NDF : 1937487.0/81

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -195.092+/-784.368 χ^2/NDF : 15.4/16

Left Out: -853.612+/-433.345 χ^2/NDF : 27.2/23

Right Out: -1078.628+/-766.426 χ^2/NDF : 20.1/18

Left In: -313.149+/-444.650 χ^2/NDF : 32.0/21

Left: -590.338+/-310.341 χ^2/NDF : 59.9/45

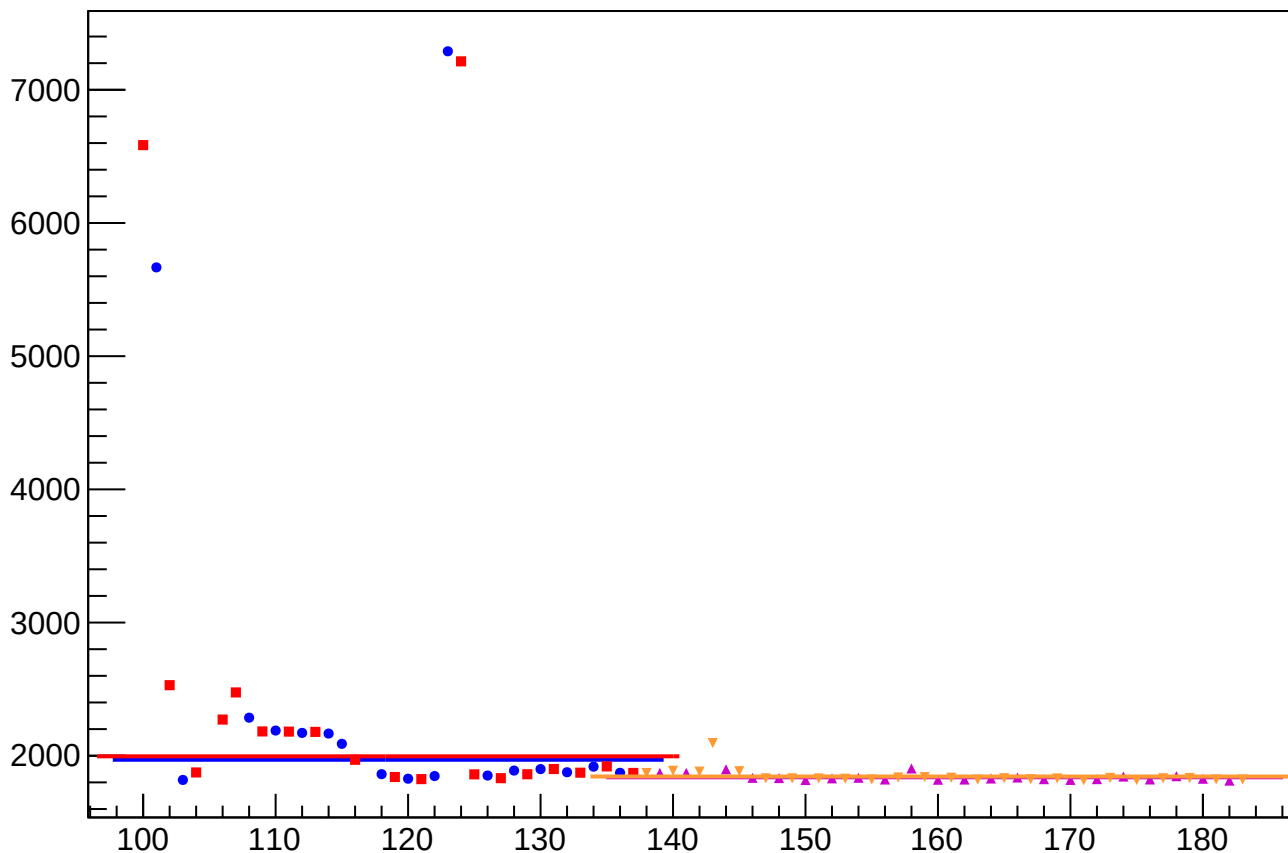
Right: -647.080+/-548.178 χ^2/NDF : 36.2/35

In: -284.437+/-386.818 χ^2/NDF : 47.4/38

Out: -908.121+/-377.223 χ^2/NDF : 47.3/42

All: -604.110+/-270.066 χ^2/NDF : 96.1/81

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1969.951+/-0.555 χ^2/NDF : 602002.6/16

Left Out: 1844.199+/-0.306 χ^2/NDF : 26711.9/23

Right Out: 1995.751+/-0.542 χ^2/NDF : 354300.7/18

Left In: 1838.189+/-0.314 χ^2/NDF : 6217.1/21

Left: 1841.271+/-0.219 χ^2/NDF : 33116.4/45

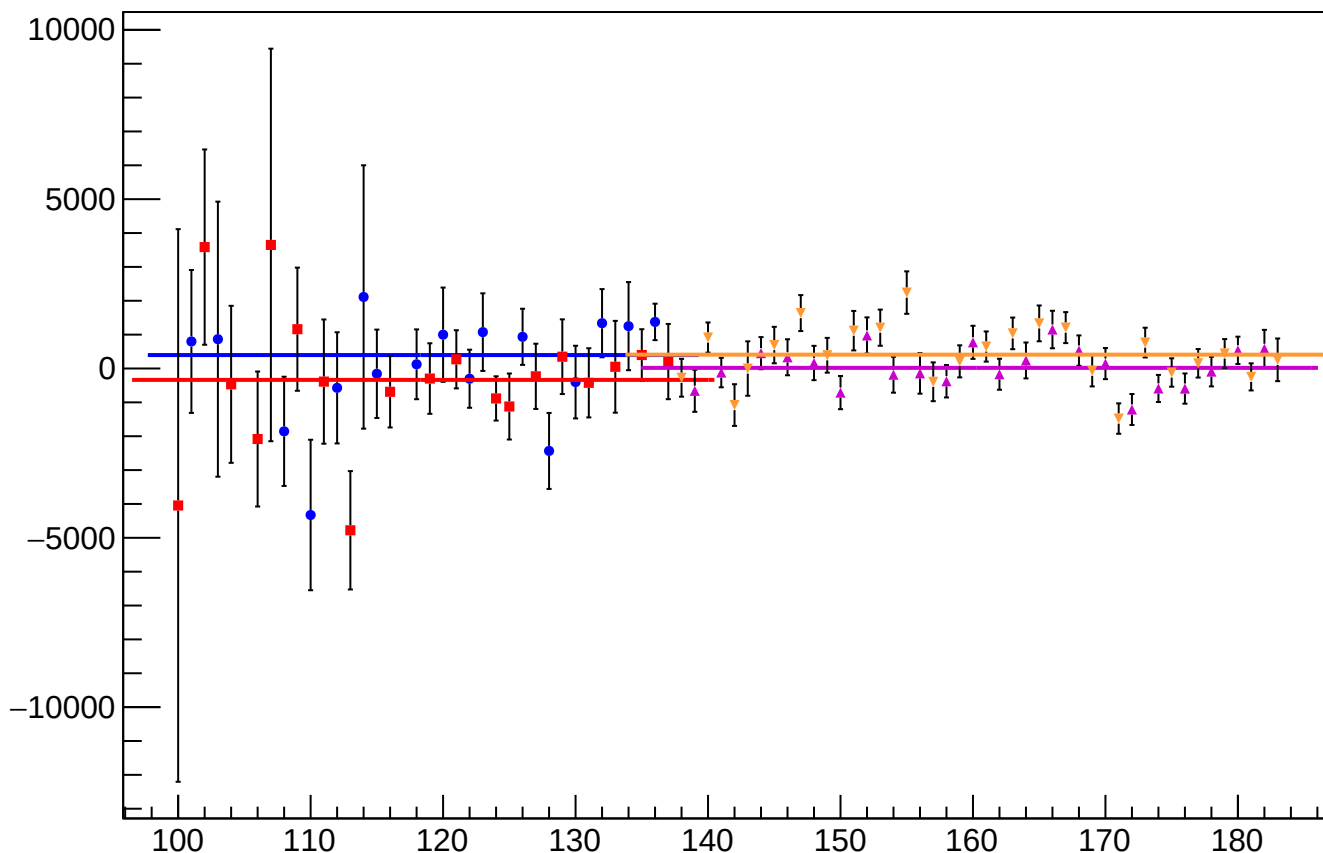
Right: 1983.150+/-0.388 χ^2/NDF : 957410.2/35

In: 1870.235+/-0.274 χ^2/NDF : 650931.5/38

Out: 1880.912+/-0.267 χ^2/NDF : 440270.2/42

All: 1875.707+/-0.191 χ^2/NDF : 1091982.8/81

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 396.702 $\pm$ 270.925 χ^2 /NDF: 20.5/16

Left Out: 409.160 $\pm$ 100.964 χ^2 /NDF:61.1/23

Right Out: -336.277 $\pm$ 266.891 χ^2 /NDF: 14.1/18

Left In: 18.626 $\pm$ 103.049 χ^2 /NDF:31.3/21

Left: 217.885 $\pm$ 72.118 χ^2 /NDF: 99.8/45

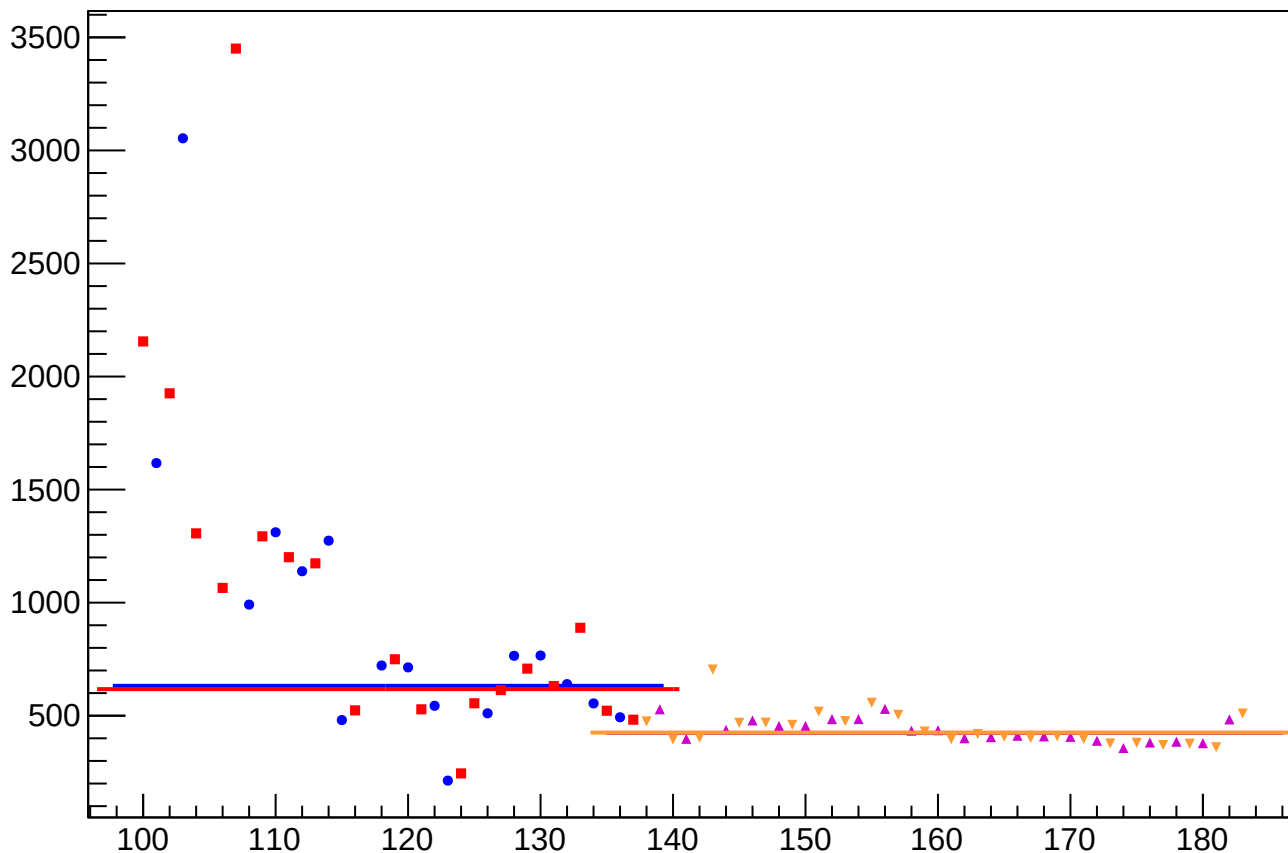
Right: 24.714 $\pm$ 190.131 χ^2 /NDF: 38.2/35

In: 66.411 $\pm$ 96.317 χ^2 /NDF:53.5/38

Out: 315.837 $\pm$ 94.433 χ^2 /NDF:82.0/42

All: 193.588 $\pm$ 67.430 χ^2 /NDF: 138.9/81

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 632.093 $\pm$ 0.192 χ^2 /NDF: 2258413.9/16

Left Out: 425.295 $\pm$ 0.071 χ^2 /NDF: 722579.4/23

Right Out: 617.519 $\pm$ 0.189 χ^2 /NDF: 2802398.1/18

Left In: 423.838 $\pm$ 0.073 χ^2 /NDF: 381952.8/21

Left: 424.581 $\pm$ 0.051 χ^2 /NDF: 1104736.2/45

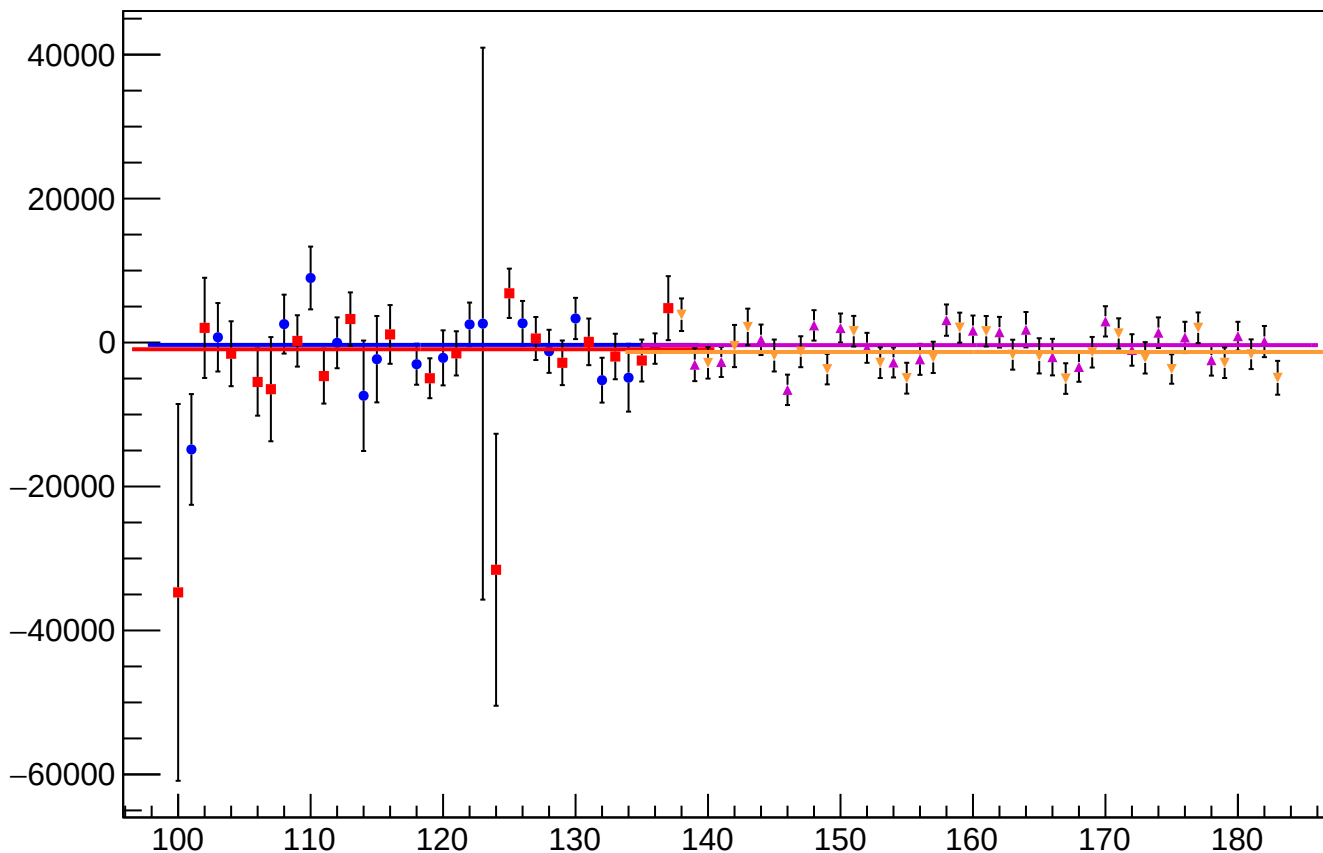
Right: 624.697 $\pm$ 0.134 χ^2 /NDF: 5063749.2/35

In: 450.159 $\pm$ 0.068 χ^2 /NDF: 3672748.7/38

Out: 449.360 $\pm$ 0.067 χ^2 /NDF: 4432570.0/42

All: 449.752 $\pm$ 0.048 χ^2 /NDF: 8105388.9/81

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -324.791+/-874.352 χ^2/NDF : 17.7/16

Left Out: -1307.545+/-446.304 χ^2/NDF : 30.2/23

Right Out: -932.195+/-870.269 χ^2/NDF : 18.7/18

Left In: -358.725+/-457.392 χ^2/NDF : 29.1/21

Left: -844.776+/-319.433 χ^2/NDF : 61.6/45

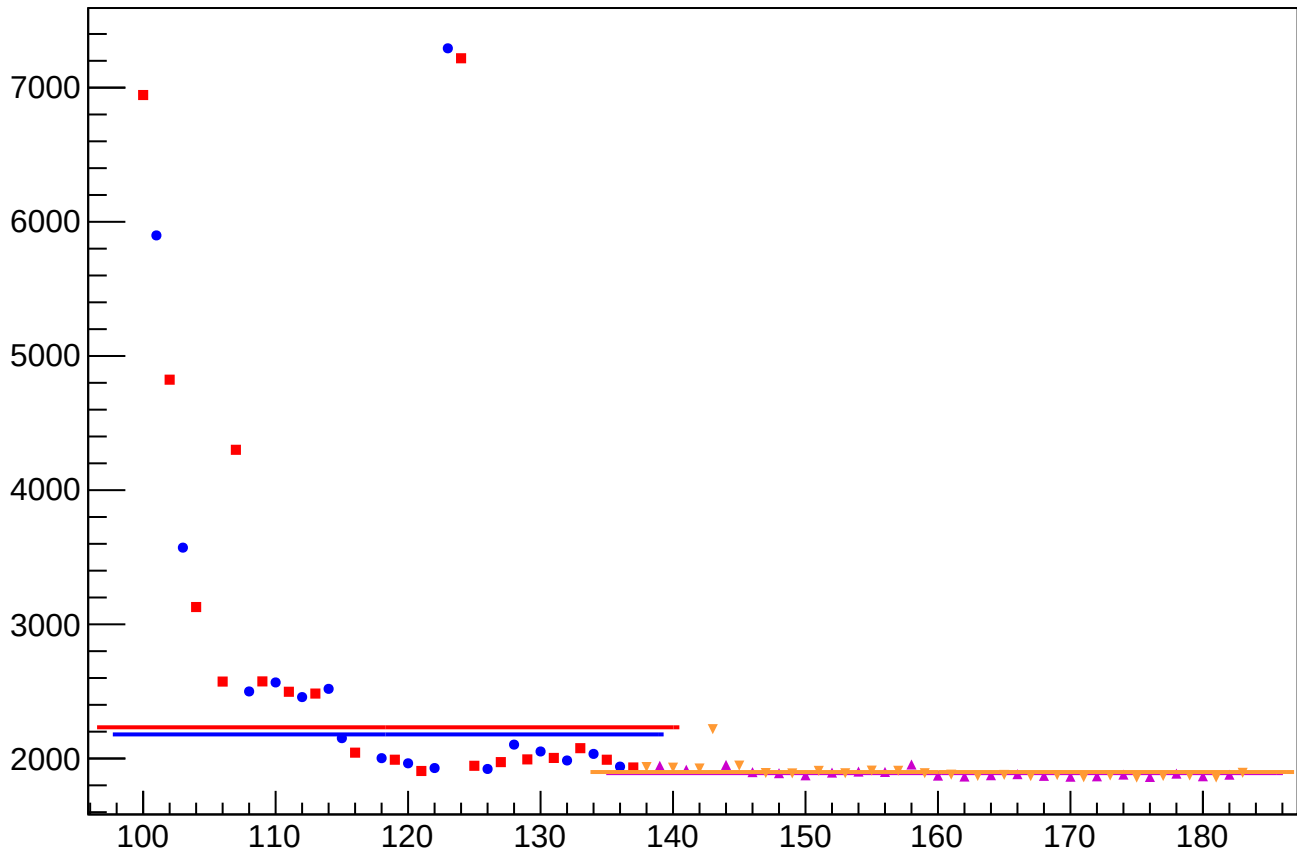
Right: -629.915+/-616.812 χ^2/NDF : 36.7/35

In: -351.434+/-405.287 χ^2/NDF : 46.9/38

Out: -1229.384+/-397.127 χ^2/NDF : 49.1/42

All: -799.337+/-283.652 χ^2/NDF : 98.3/81

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2179.524+/-0.618 χ^2/NDF : 800832.9/16

Left Out: 1899.219+/-0.316 χ^2/NDF : 38632.2/23

Right Out: 2232.584+/-0.615 χ^2/NDF : 892015.8/18

Left In: 1891.006+/-0.323 χ^2/NDF : 7120.0/21

Left: 1895.213+/-0.226 χ^2/NDF : 46082.6/45

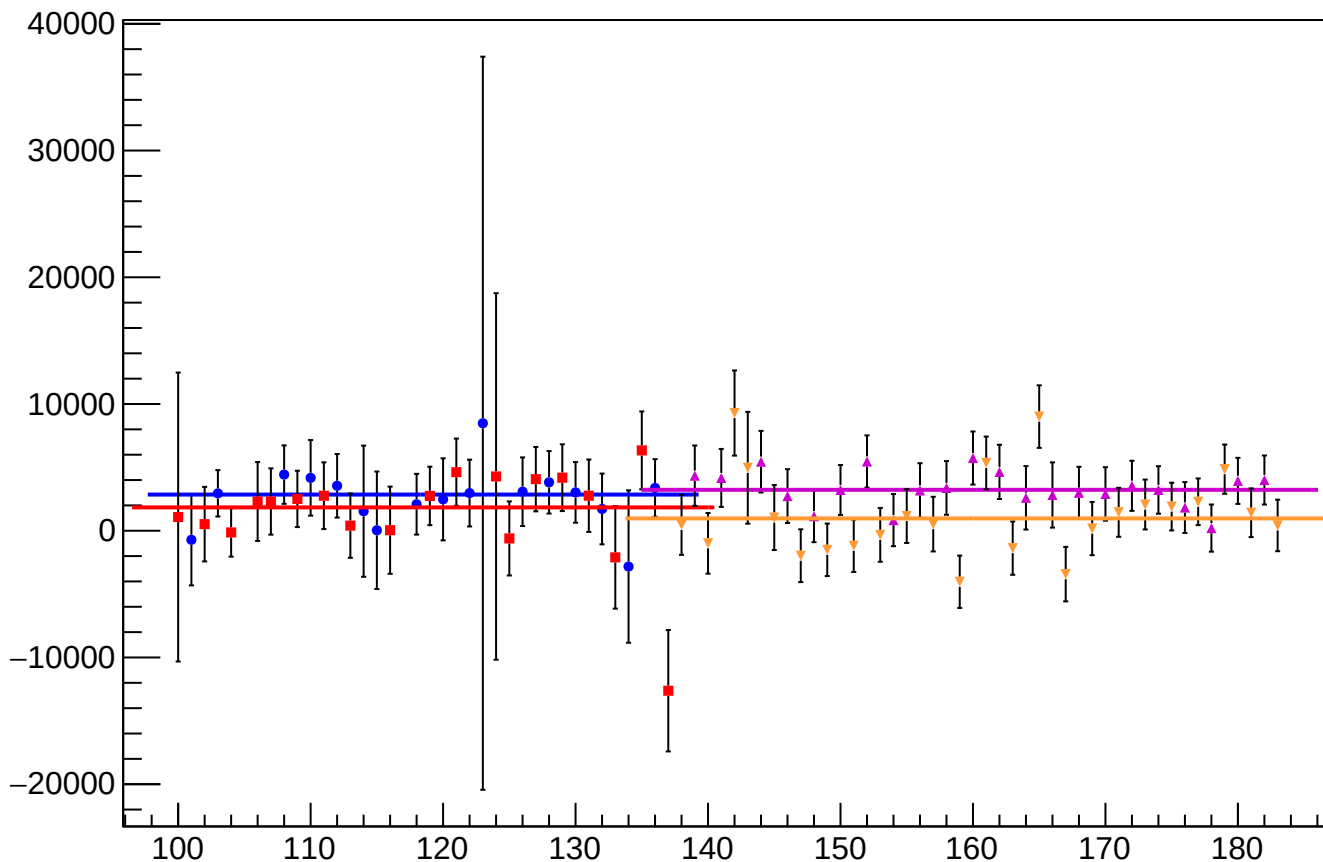
Right: 2206.178+/-0.436 χ^2/NDF : 1696548.5/35

In: 1952.996+/-0.287 χ^2/NDF : 978935.7/38

Out: 1968.637+/-0.281 χ^2/NDF : 1163008.2/42

All: 1960.976+/-0.201 χ^2/NDF : 2143463.5/81

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2855.433 ± 680.542 χ^2/NDF : 3.6/16

Left Out: 972.778 ± 439.238 χ^2/NDF : 44.4/23

Right Out: 1842.875 ± 656.991 χ^2/NDF : 18.0/18

Left In: 3229.201 ± 445.674 χ^2/NDF : 10.3/21

Left: 2084.580 ± 312.839 χ^2/NDF : 67.7/45

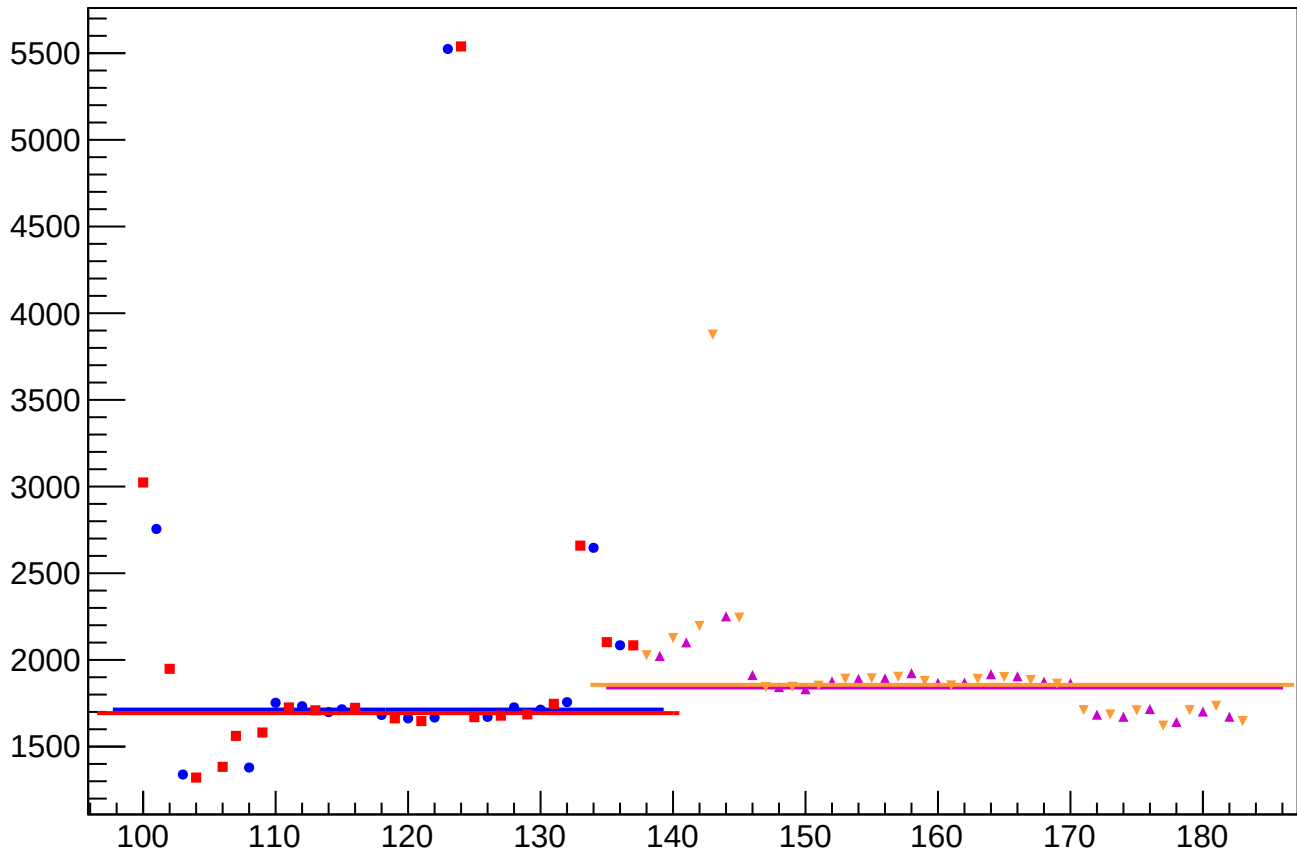
Right: 2331.330 ± 472.669 χ^2/NDF : 22.7/35

In: 3117.016 ± 372.839 χ^2/NDF : 14.1/38

Out: 1241.552 ± 365.149 χ^2/NDF : 63.6/42

All: 2159.744 ± 260.875 χ^2/NDF : 90.6/81

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1713.549+/-0.481 χ^2/NDF : 432300.3/16

Left Out: 1856.386+/-0.311 χ^2/NDF : 637722.4/23

Right Out: 1693.096+/-0.465 χ^2/NDF : 454659.7/18

Left In: 1840.821+/-0.315 χ^2/NDF : 193803.3/21

Left: 1848.717+/-0.221 χ^2/NDF : 832763.1/45

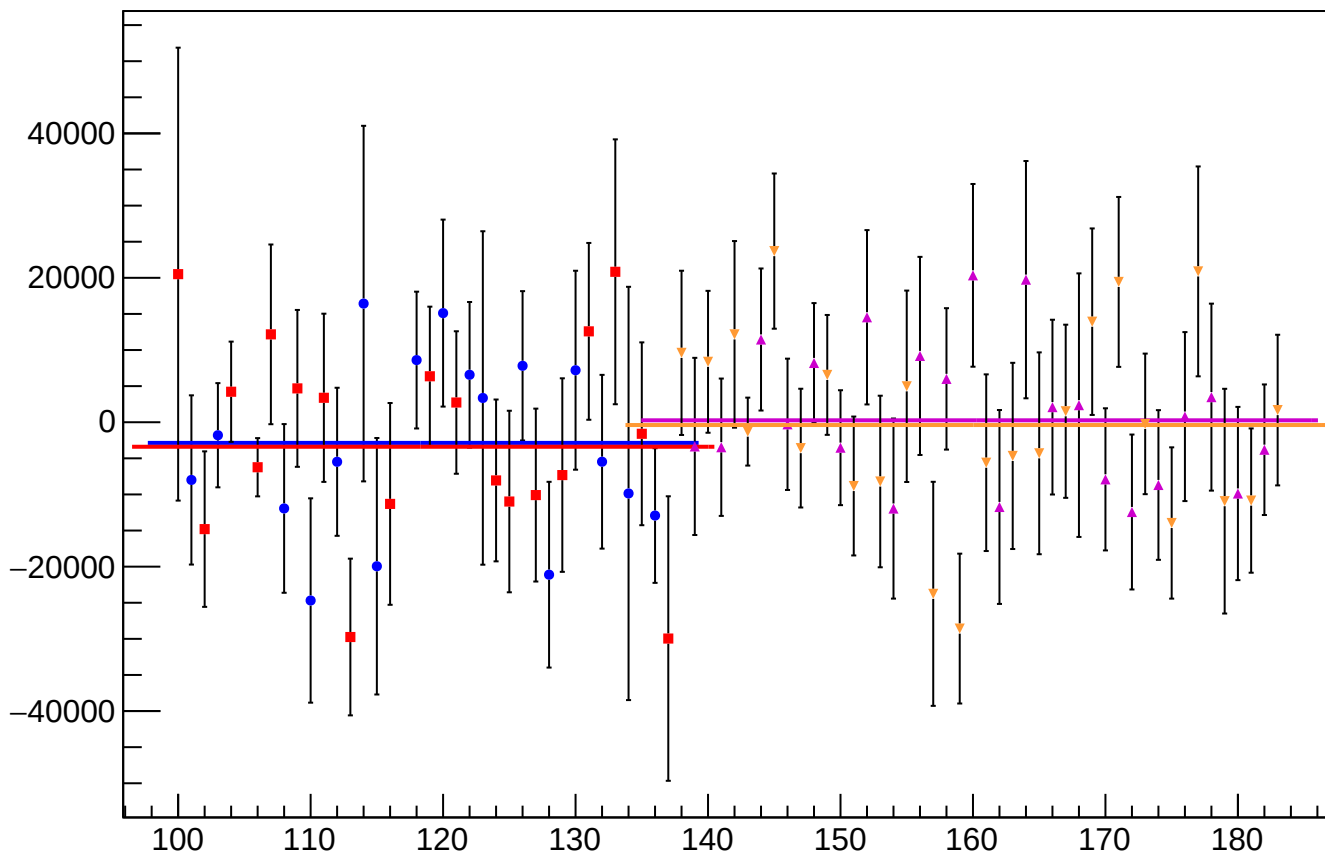
Right: 1702.962+/-0.334 χ^2/NDF : 887895.0/35

In: 1802.621+/-0.264 χ^2/NDF : 675058.7/38

Out: 1805.945+/-0.258 χ^2/NDF : 1177765.5/42

All: 1804.318+/-0.184 χ^2/NDF : 1852905.3/81

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -2861.382 $\pm$ 2859.849 χ^2 /NDF: 14.0/16

Left Out: -387.378 $\pm$ 2085.349 χ^2 /NDF:29.3/23

Right Out: -3395.034 $\pm$ 2269.782 χ^2 /NDF: 19.7/18

Left In: 266.981 $\pm$ 2321.225 χ^2 /NDF:14.4/21

Left: -95.125 $\pm$ 1551.274 χ^2 /NDF: 43.7/45

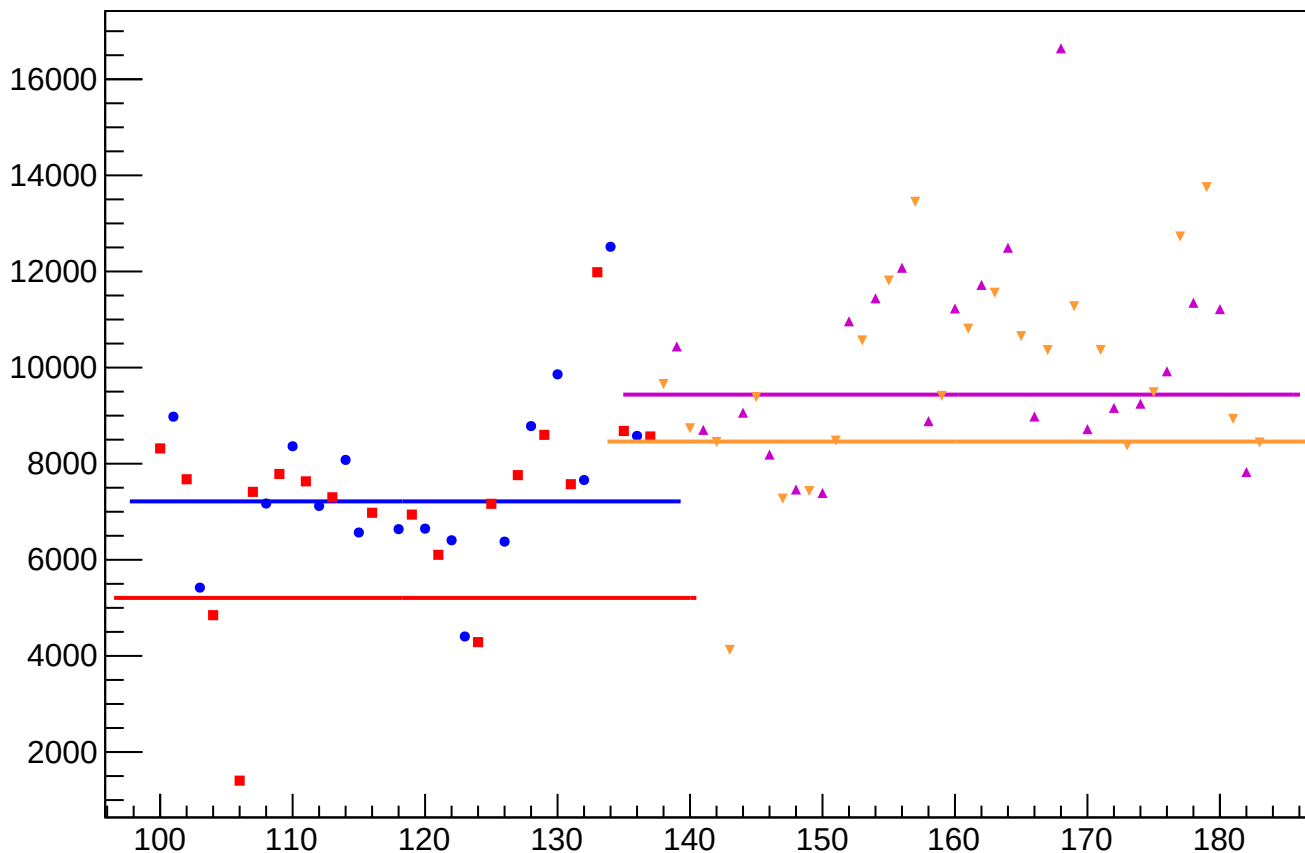
Right: -3188.793 $\pm$ 1777.877 χ^2 /NDF: 33.8/35

In: -975.454 $\pm$ 1802.276 χ^2 /NDF:29.1/38

Out: -1764.064 $\pm$ 1535.634 χ^2 /NDF:50.0/42

All: -1432.356 $\pm$ 1168.875 χ^2 /NDF: 79.2/81

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7215.564+/-2.022 χ^2/NDF : 471682.0/16

Left Out: 8460.690+/-1.475 χ^2/NDF : 3087184.1/23

Right Out: 5206.982+/-1.605 χ^2/NDF : 3196167.0/18

Left In: 9437.351+/-1.641 χ^2/NDF : 1124502.7/21

Left: 8896.891+/-1.097 χ^2/NDF : 4407617.6/45

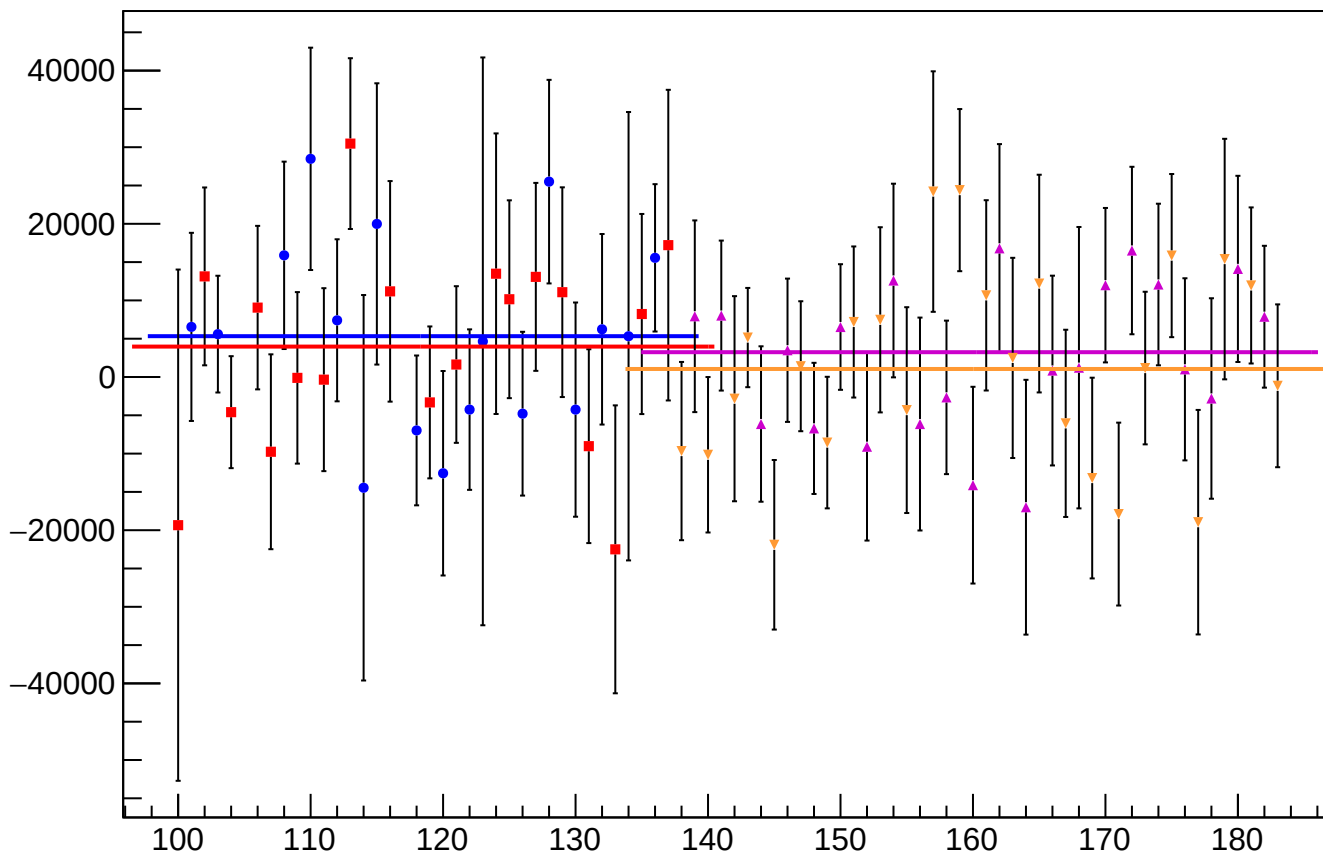
Right: 5983.241+/-1.257 χ^2/NDF : 4273131.1/35

In: 8554.964+/-1.274 χ^2/NDF : 2323892.0/38

Out: 6971.379+/-1.086 χ^2/NDF : 8511973.5/42

All: 7637.472+/-0.827 χ^2/NDF : 11730470.6/80

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5329.954+/-2979.601 χ^2/NDF : 13.6/16

Left Out: 1048.535+/-2232.237 χ^2/NDF : 27.1/23

Right Out: 3971.333+/-2795.963 χ^2/NDF : 15.5/18

Left In: 3239.424+/-2372.583 χ^2/NDF : 13.7/21

Left: 2077.268+/-1625.782 χ^2/NDF : 41.2/45

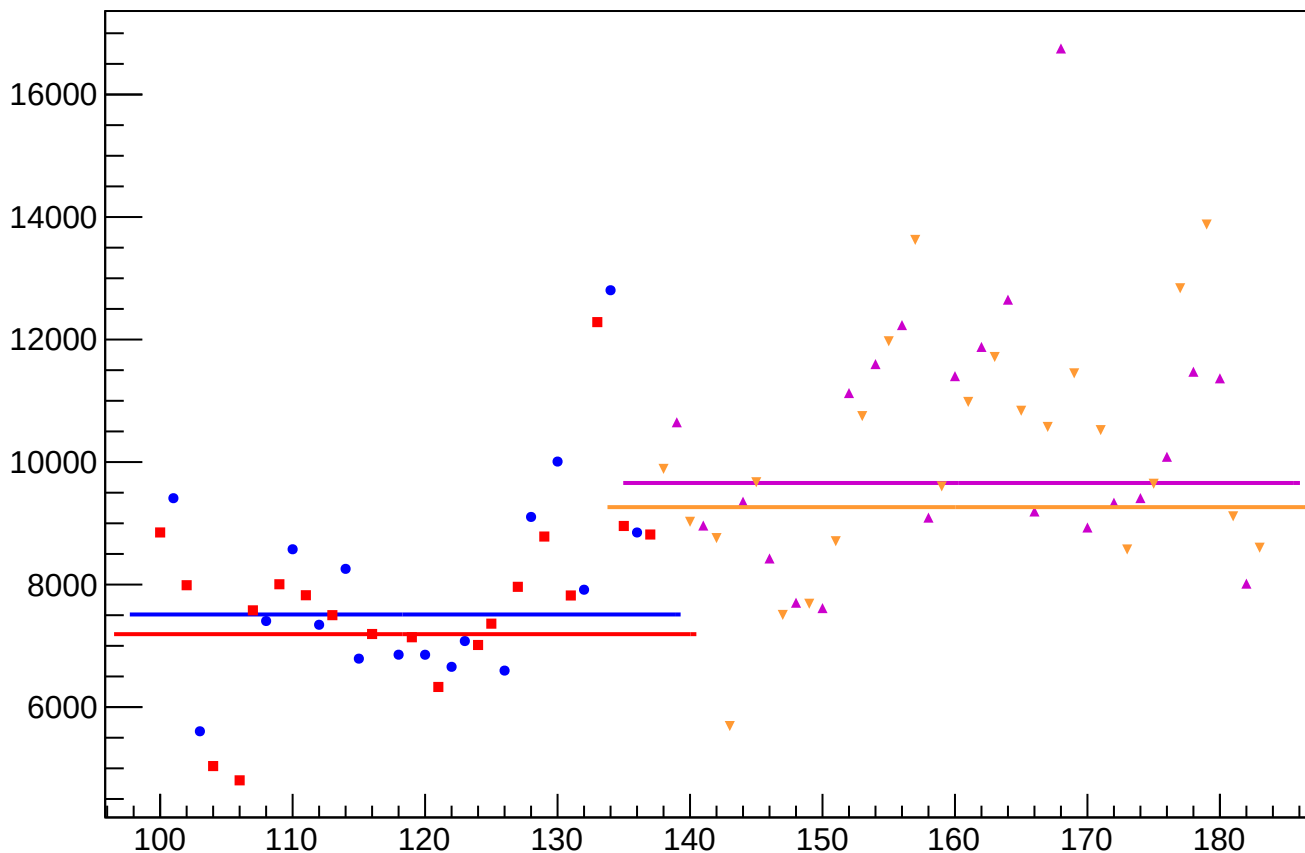
Right: 4607.488+/-2038.876 χ^2/NDF : 29.3/35

In: 4050.602+/-1856.043 χ^2/NDF : 27.6/38

Out: 2186.318+/-1744.463 χ^2/NDF : 43.2/42

All: 3060.741+/-1271.138 χ^2/NDF : 71.4/81

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7511.954+/-2.107 χ^2/NDF : 430092.6/16

Left Out: 9264.221+/-1.578 χ^2/NDF :1594448.7/23

Right Out: 7190.607+/-1.977 χ^2/NDF : 559177.4/18

Left In: 9658.532+/-1.678 χ^2/NDF :1051351.8/21

Left: 9449.370+/-1.150 χ^2/NDF : 2675103.2/45

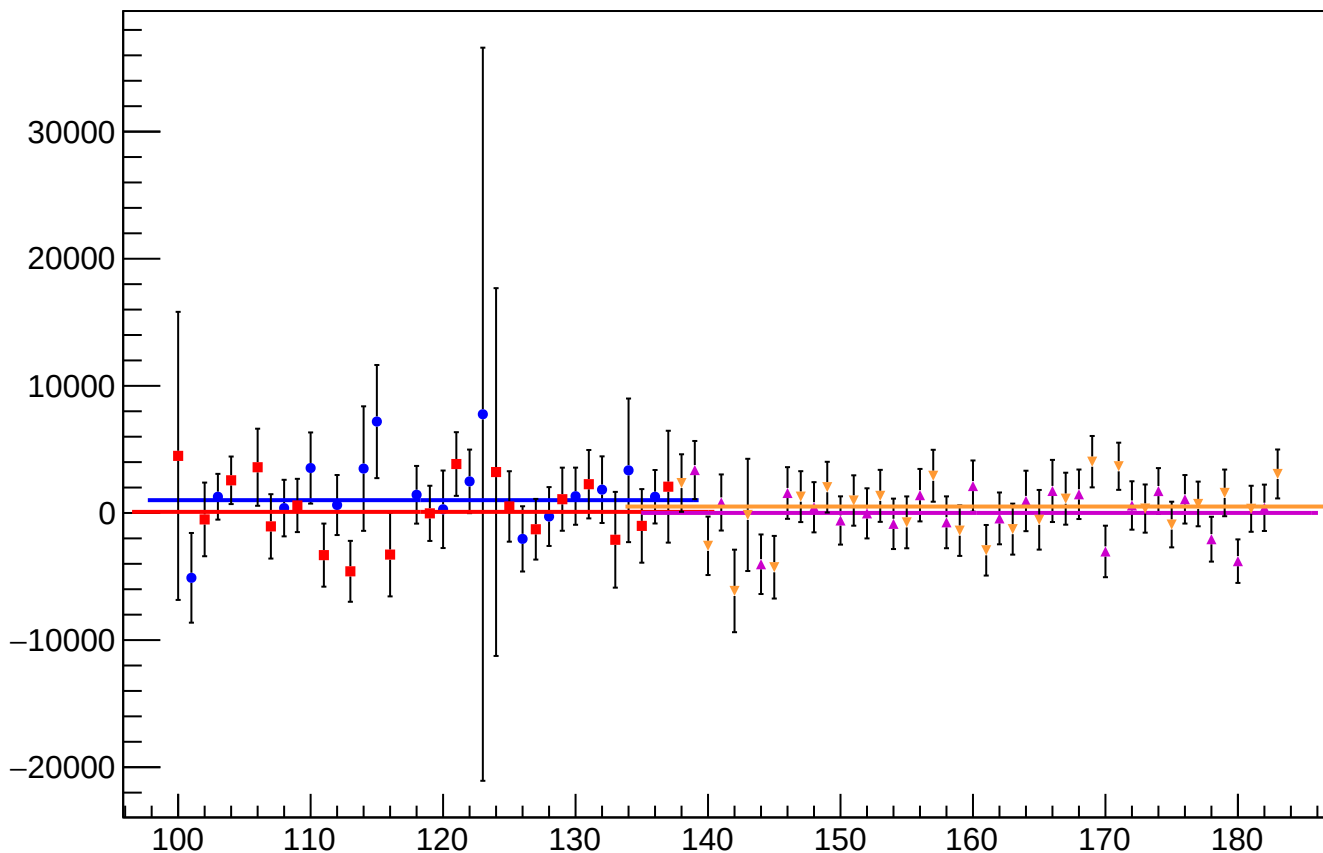
Right: 7341.057+/-1.442 χ^2/NDF : 1001642.3/35

In: 8825.579+/-1.312 χ^2/NDF :2116708.4/38

Out: 8456.880+/-1.233 χ^2/NDF :2825572.4/42

All: 8629.807+/-0.899 χ^2/NDF : 4984187.7/81

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1007.483+/-646.543 χ^2/NDF : 8.6/16

Left Out: 505.611+/-420.169 χ^2/NDF : 26.9/23

Right Out: 85.858+/-625.192 χ^2/NDF : 14.5/18

Left In: 3.994+/-426.382 χ^2/NDF : 19.1/21

Left: 258.484+/-299.277 χ^2/NDF : 46.6/45

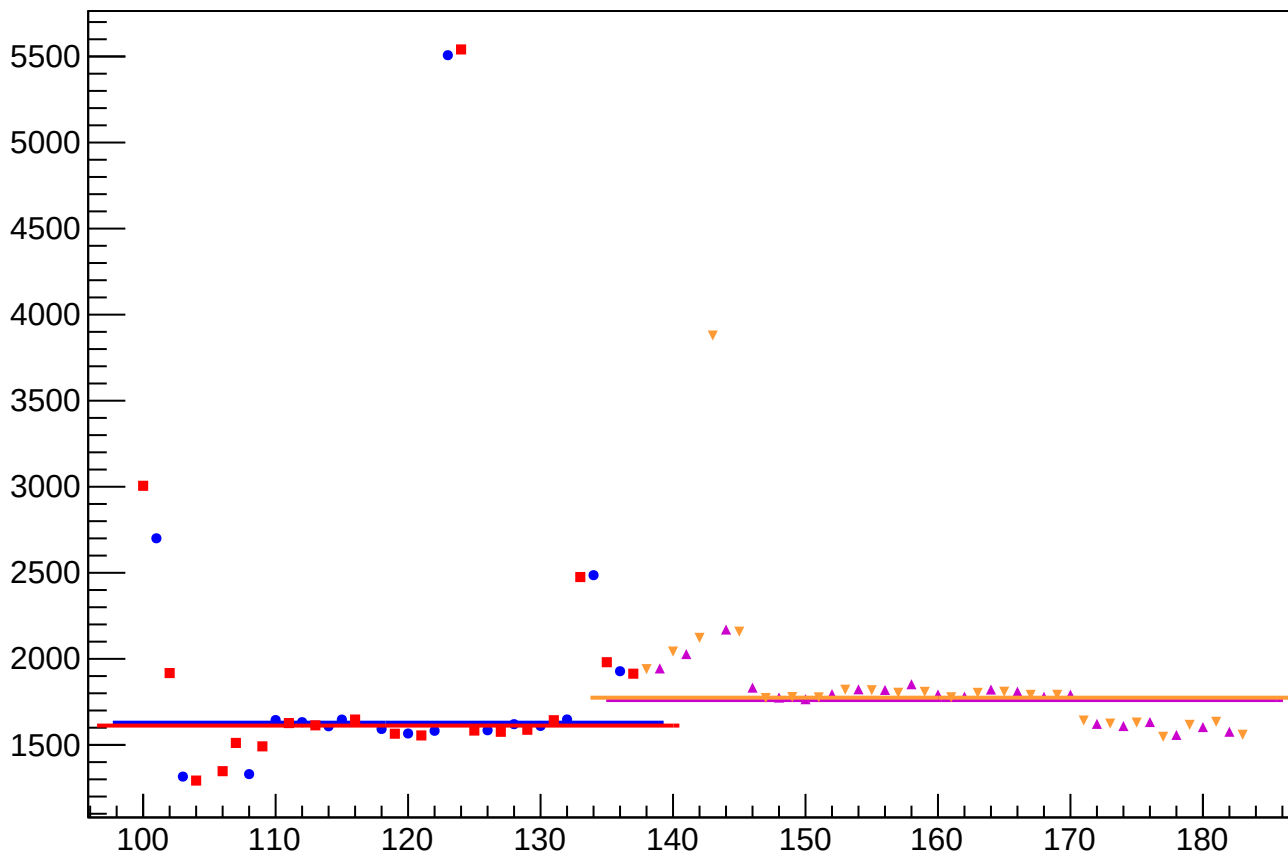
Right: 531.202+/-449.436 χ^2/NDF : 24.2/35

In: 308.146+/-355.948 χ^2/NDF : 29.4/38

Out: 375.010+/-348.731 χ^2/NDF : 41.6/42

All: 342.263+/-249.102 χ^2/NDF : 71.0/81

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1629.197+/-0.457 χ^2/NDF : 406744.5/16

Left Out: 1774.467+/-0.297 χ^2/NDF : 689022.2/23

Right Out: 1612.347+/-0.442 χ^2/NDF : 433525.9/18

Left In: 1760.547+/-0.301 χ^2/NDF : 214874.2/21

Left: 1767.609+/-0.212 χ^2/NDF : 904977.9/45

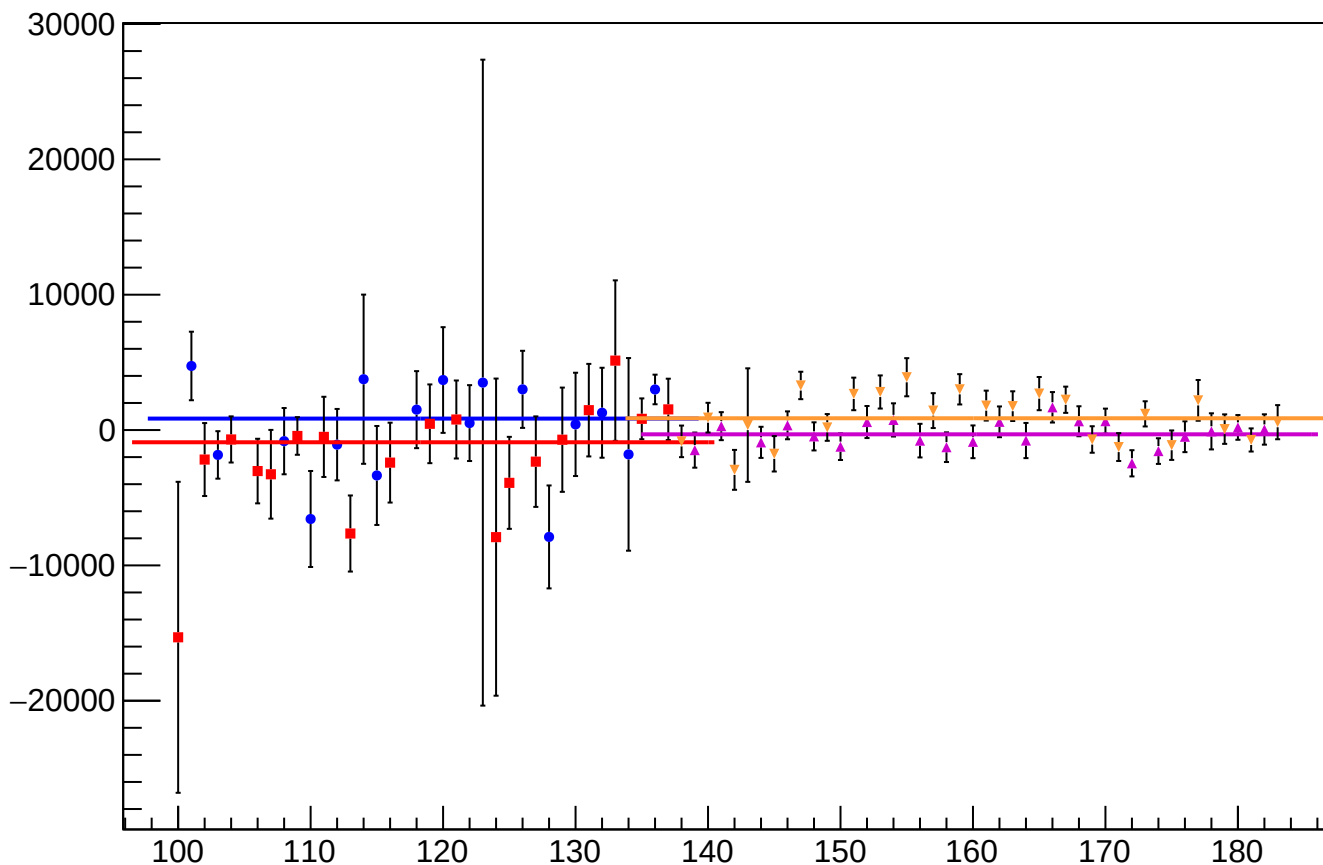
Right: 1620.489+/-0.318 χ^2/NDF : 840972.4/35

In: 1720.736+/-0.252 χ^2/NDF : 679145.2/38

Out: 1724.025+/-0.247 χ^2/NDF : 1215190.8/42

All: 1722.414+/-0.176 χ^2/NDF : 1894423.2/81

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 846.430 $\pm$ 632.780 χ^2/NDF : 22.1/16

Left Out: 870.630 $\pm$ 232.046 χ^2/NDF : 53.1/23

Right Out: -903.032 $\pm$ 590.474 χ^2/NDF : 15.1/18

Left In: -315.367 $\pm$ 233.287 χ^2/NDF : 18.0/21

Left: 280.794 $\pm$ 164.518 χ^2/NDF : 84.1/45

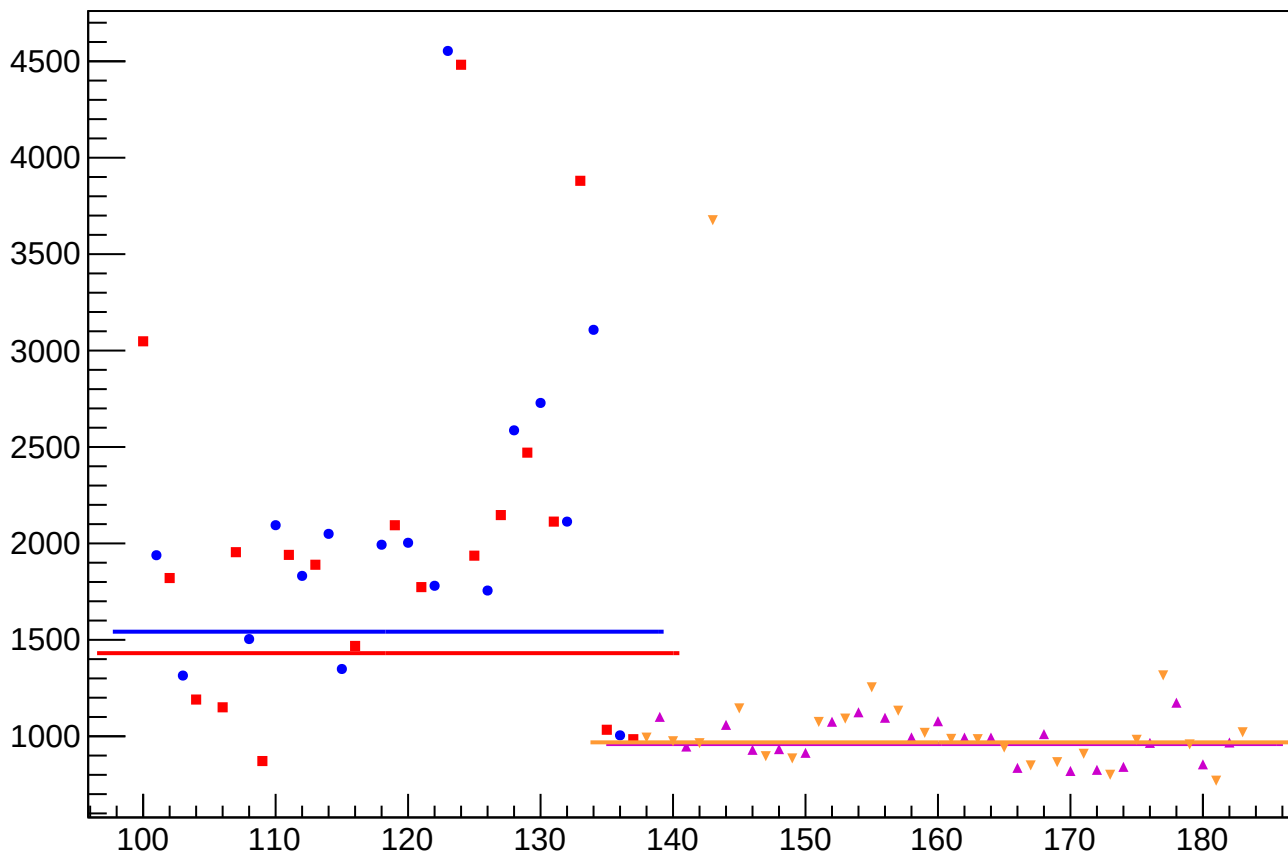
Right: -88.733 $\pm$ 431.710 χ^2/NDF : 41.4/35

In: -176.353 $\pm$ 218.886 χ^2/NDF : 43.1/38

Out: 633.357 $\pm$ 215.968 χ^2/NDF : 76.0/42

All: 233.935 $\pm$ 153.734 χ^2/NDF : 126.1/81

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.291+/-0.447 χ^2/NDF : 1293220.0/16

Left Out: 968.509+/-0.164 χ^2/NDF : 1393584.7/23

Right Out: 1430.966+/-0.418 χ^2/NDF : 1823025.4/18

Left In: 959.593+/-0.165 χ^2/NDF : 371108.5/21

Left: 964.075+/-0.116 χ^2/NDF : 1766161.8/45

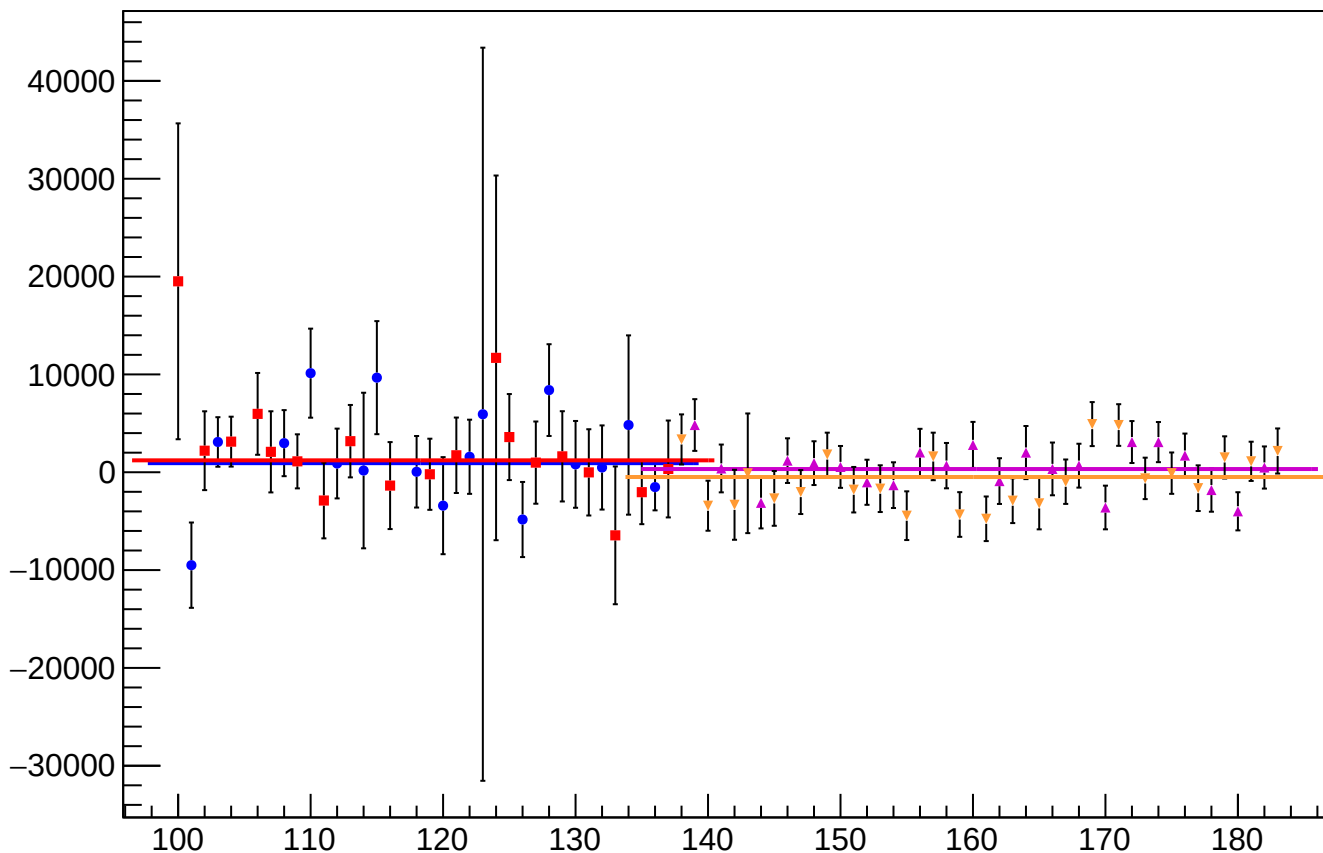
Right: 1482.783+/-0.305 χ^2/NDF : 3149335.4/35

In: 1029.316+/-0.155 χ^2/NDF : 3157345.8/38

Out: 1030.375+/-0.153 χ^2/NDF : 4279283.3/42

All: 1029.852+/-0.109 χ^2/NDF : 7436652.8/81

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 928.405 $\pm$ 970.555 χ^2 /NDF: 20.1/16

Left Out: -487.539 $\pm$ 485.643 χ^2 /NDF:33.8/23

Right Out: 1216.382 $\pm$ 927.249 χ^2 /NDF: 8.1/18

Left In: 327.685 $\pm$ 489.878 χ^2 /NDF:20.8/21

Left: -83.466 $\pm$ 344.889 χ^2 /NDF: 56.0/45

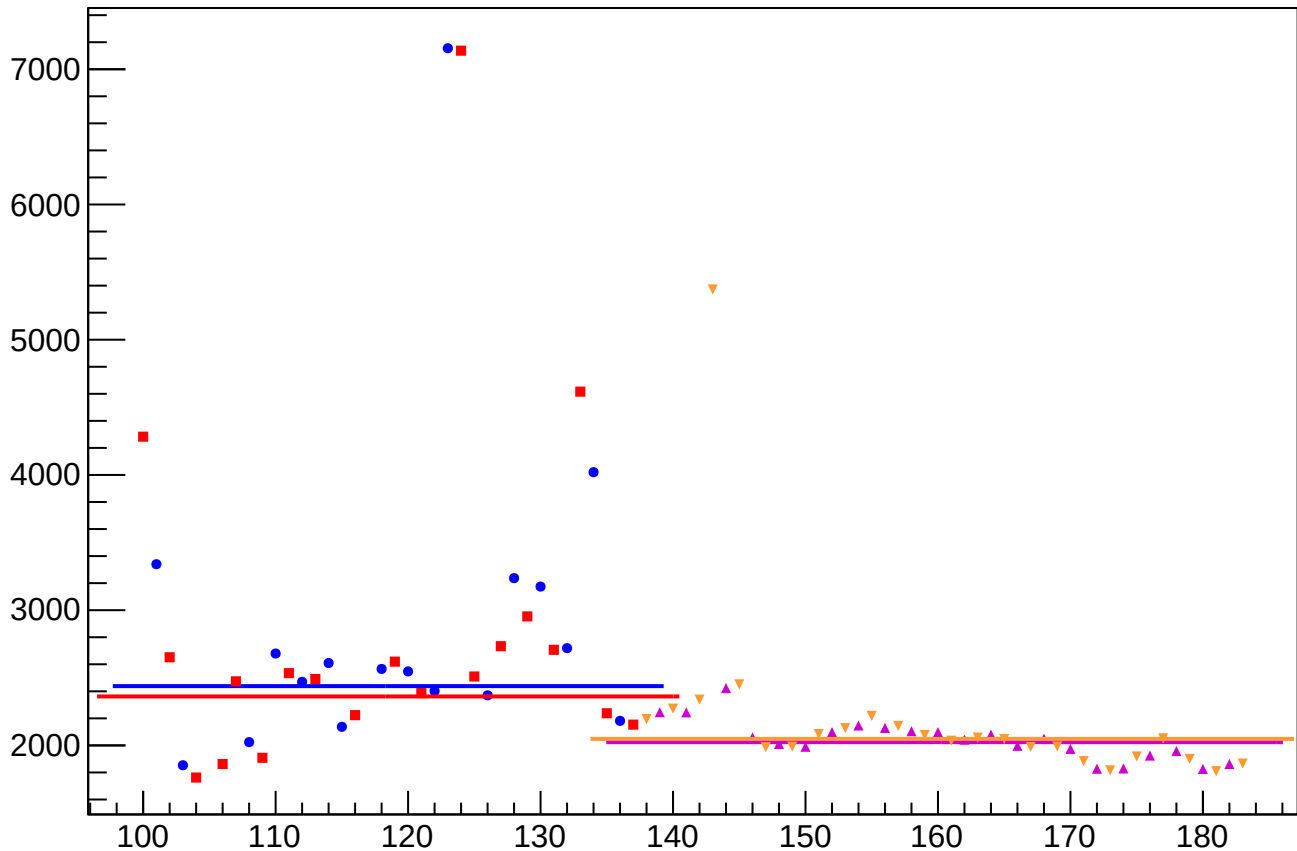
Right: 1078.961 $\pm$ 670.451 χ^2 /NDF: 28.2/35

In: 449.653 $\pm$ 437.328 χ^2 /NDF:41.2/38

Out: -120.750 $\pm$ 430.209 χ^2 /NDF:44.5/42

All: 159.771 $\pm$ 306.690 χ^2 /NDF: 86.6/81

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2438.478+/-0.686 χ^2/NDF : 474942.5/16

Left Out: 2048.335+/-0.343 χ^2/NDF : 782209.8/23

Right Out: 2362.082+/-0.656 χ^2/NDF : 657383.2/18

Left In: 2024.190+/-0.346 χ^2/NDF : 168626.6/21

Left: 2036.367+/-0.244 χ^2/NDF : 953286.9/45

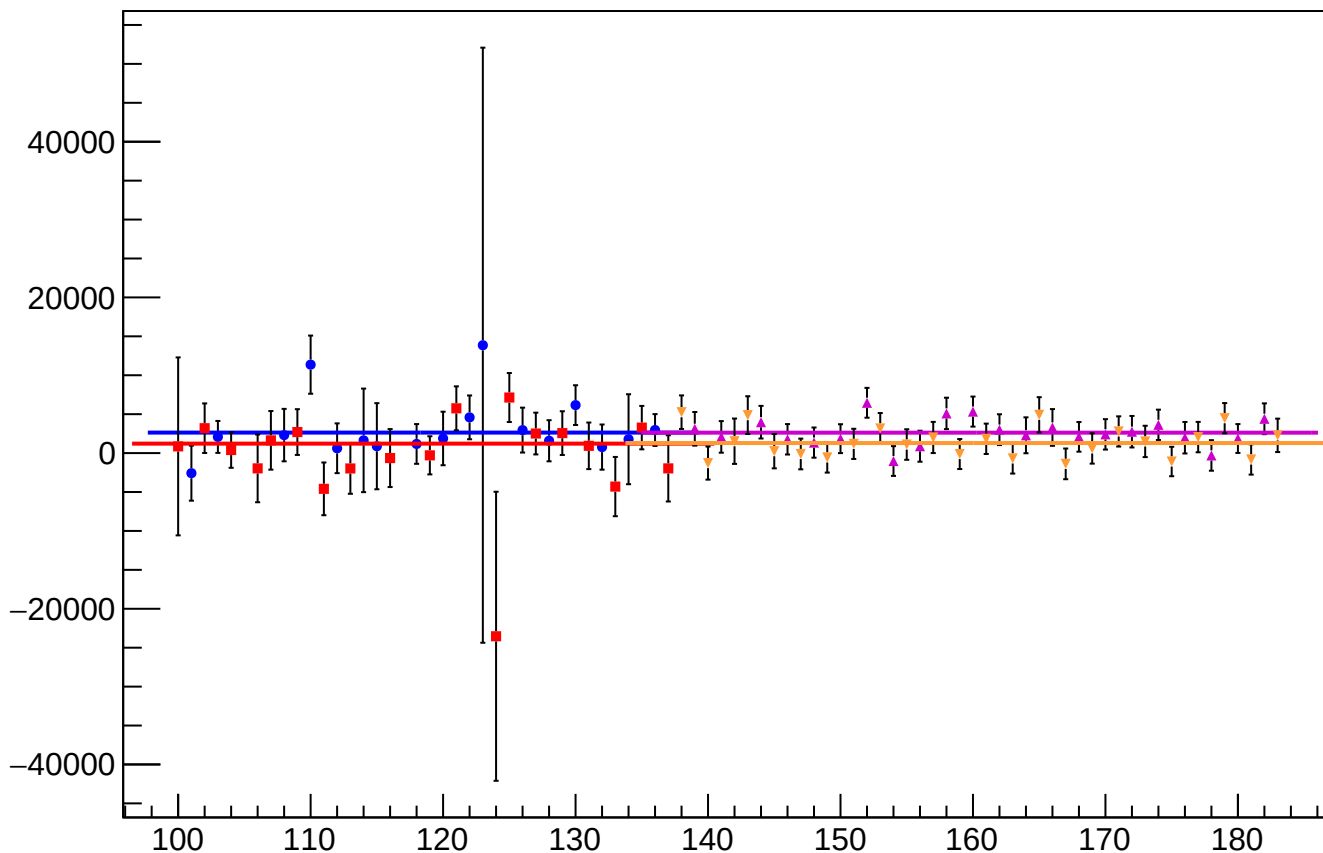
Right: 2398.537+/-0.474 χ^2/NDF : 1138804.2/35

In: 2108.306+/-0.309 χ^2/NDF : 933994.6/38

Out: 2115.873+/-0.304 χ^2/NDF : 1619282.4/42

All: 2112.152+/-0.217 χ^2/NDF : 2553581.4/81

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2633.941 $\pm$ 745.154 χ^2 /NDF: 11.7/16

Left Out: 1291.871 $\pm$ 415.515 χ^2 /NDF:22.3/23

Right Out: 1215.611 $\pm$ 741.742 χ^2 /NDF: 17.4/18

Left In: 2624.395 $\pm$ 425.073 χ^2 /NDF:17.0/21

Left: 1942.983 $\pm$ 297.135 χ^2 /NDF: 44.3/45

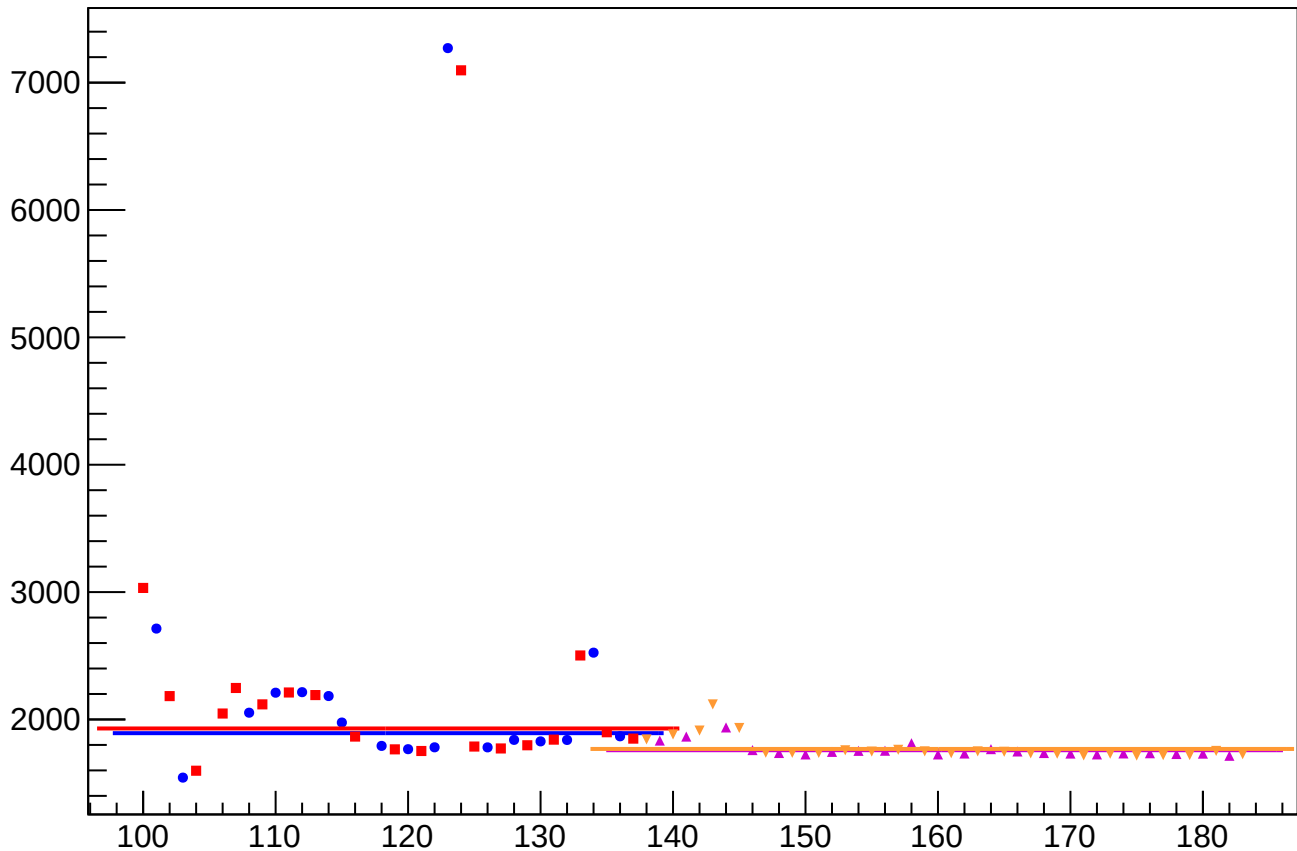
Right: 1921.521 $\pm$ 525.693 χ^2 /NDF: 31.0/35

In: 2626.739 $\pm$ 369.223 χ^2 /NDF:28.7/38

Out: 1273.656 $\pm$ 362.510 χ^2 /NDF:39.7/42

All: 1937.786 $\pm$ 258.674 χ^2 /NDF: 75.3/81

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1892.368+/-0.527 χ^2/NDF : 287730.3/16

Left Out: 1768.447+/-0.294 χ^2/NDF : 76984.8/23

Right Out: 1929.250+/-0.524 χ^2/NDF : 360280.1/18

Left In: 1758.524+/-0.301 χ^2/NDF : 29673.2/21

Left: 1763.598+/-0.210 χ^2/NDF : 107215.4/45

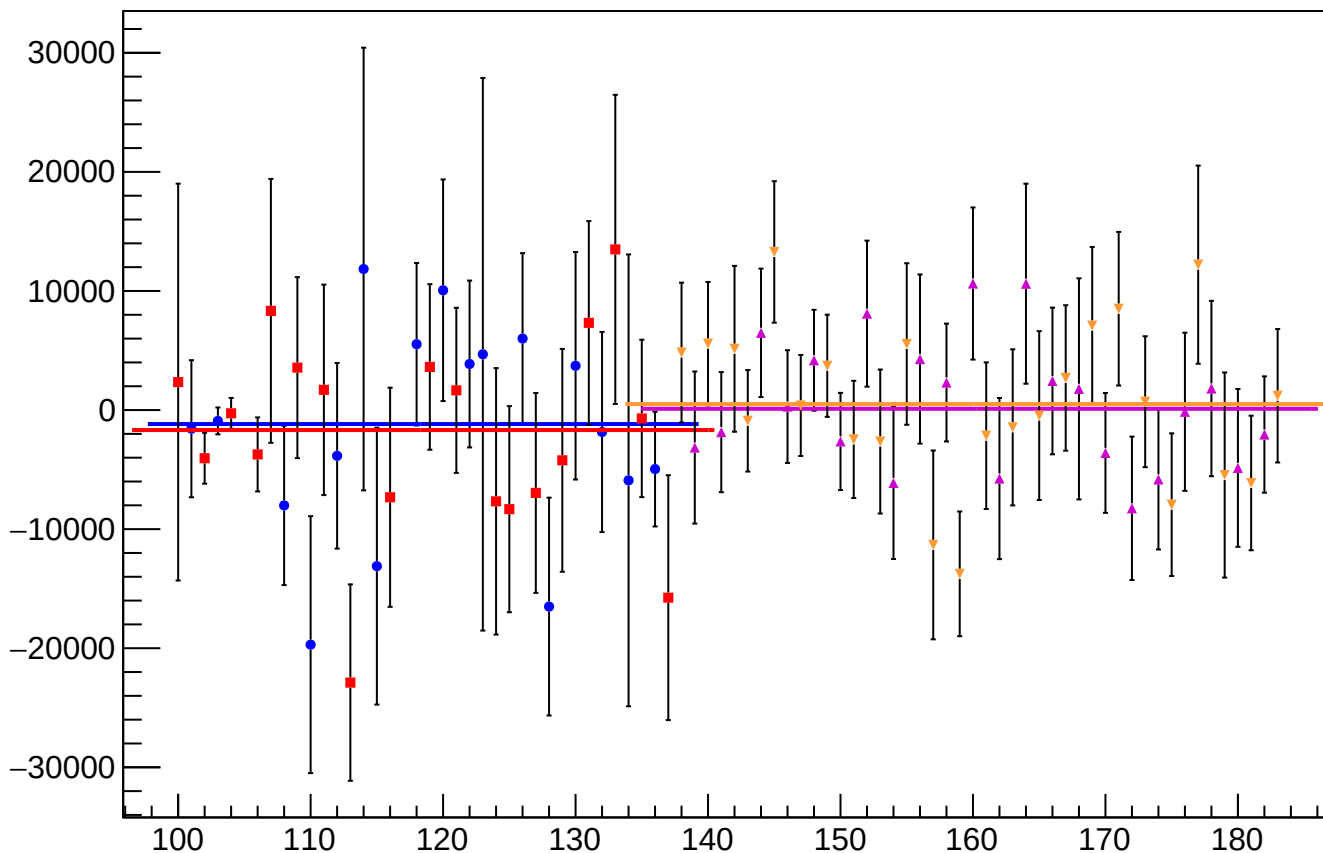
Right: 1910.923+/-0.371 χ^2/NDF : 650475.3/35

In: 1791.385+/-0.261 χ^2/NDF : 366087.7/38

Out: 1806.948+/-0.256 χ^2/NDF : 508982.7/42

All: 1799.312+/-0.183 χ^2/NDF : 876880.4/81

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1175.288 $\pm$ 985.256 χ^2 /NDF: 13.5/16

Left Out: 500.295 $\pm$ 1179.872 χ^2 /NDF:26.9/23

Right Out: -1679.065 $\pm$ 942.057 χ^2 /NDF: 17.8/18

Left In: 105.056 $\pm$ 1221.035 χ^2 /NDF:15.9/21

Left: 309.450 $\pm$ 848.475 χ^2 /NDF: 42.8/45

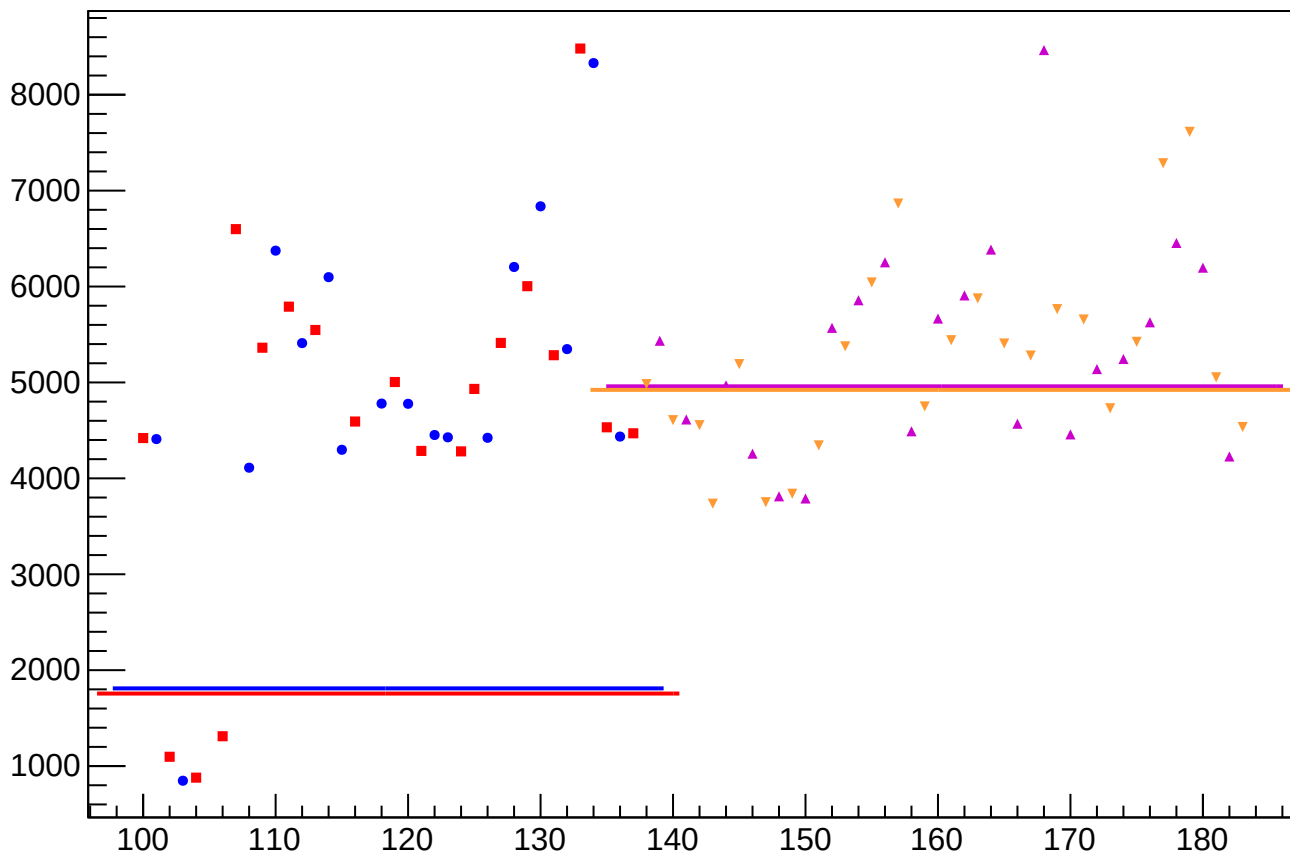
Right: -1438.462 $\pm$ 680.895 χ^2 /NDF: 31.5/35

In: -670.397 $\pm$ 766.767 χ^2 /NDF:30.0/38

Out: -830.606 $\pm$ 736.183 χ^2 /NDF:46.8/42

All: -753.760 $\pm$ 531.043 χ^2 /NDF: 76.8/81

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1810.087 $\pm$ 0.697 χ^2 /NDF: 6438570.3/16

Left Out: 4922.570 $\pm$ 0.834 χ^2 /NDF:1182583.9/23

Right Out: 1756.198 $\pm$ 0.666 χ^2 /NDF: 6295444.5/18

Left In: 4959.484 $\pm$ 0.863 χ^2 /NDF:1176931.7/21

Left: 4940.394 $\pm$ 0.600 χ^2 /NDF: 2360460.9/45

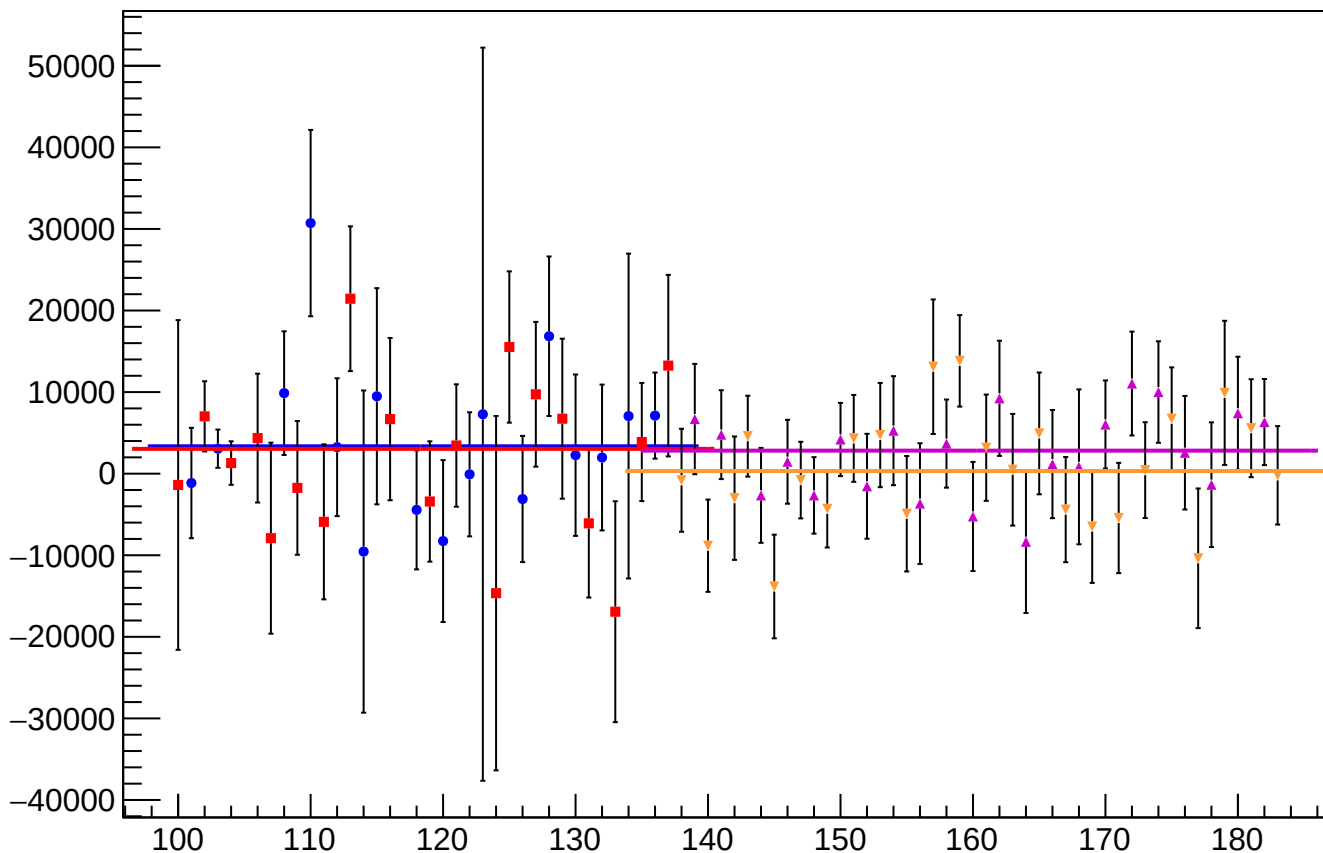
Right: 1781.935 $\pm$ 0.481 χ^2 /NDF: 12737140.4/35

In: 3052.019 $\pm$ 0.542 χ^2 /NDF:15674060.7/38

Out: 2988.916 $\pm$ 0.521 χ^2 /NDF:16274344.4/42

All: 3019.184 $\pm$ 0.376 χ^2 /NDF: 31955453.7/80

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3354.333+/-1609.286 χ^2/NDF : 13.5/16

Left Out: 325.322+/-1268.956 χ^2/NDF : 26.7/23

Right Out: 3042.258+/-1608.040 χ^2/NDF : 15.9/18

Left In: 2823.959+/-1306.366 χ^2/NDF : 12.8/21

Left: 1538.352+/-910.226 χ^2/NDF : 41.4/45

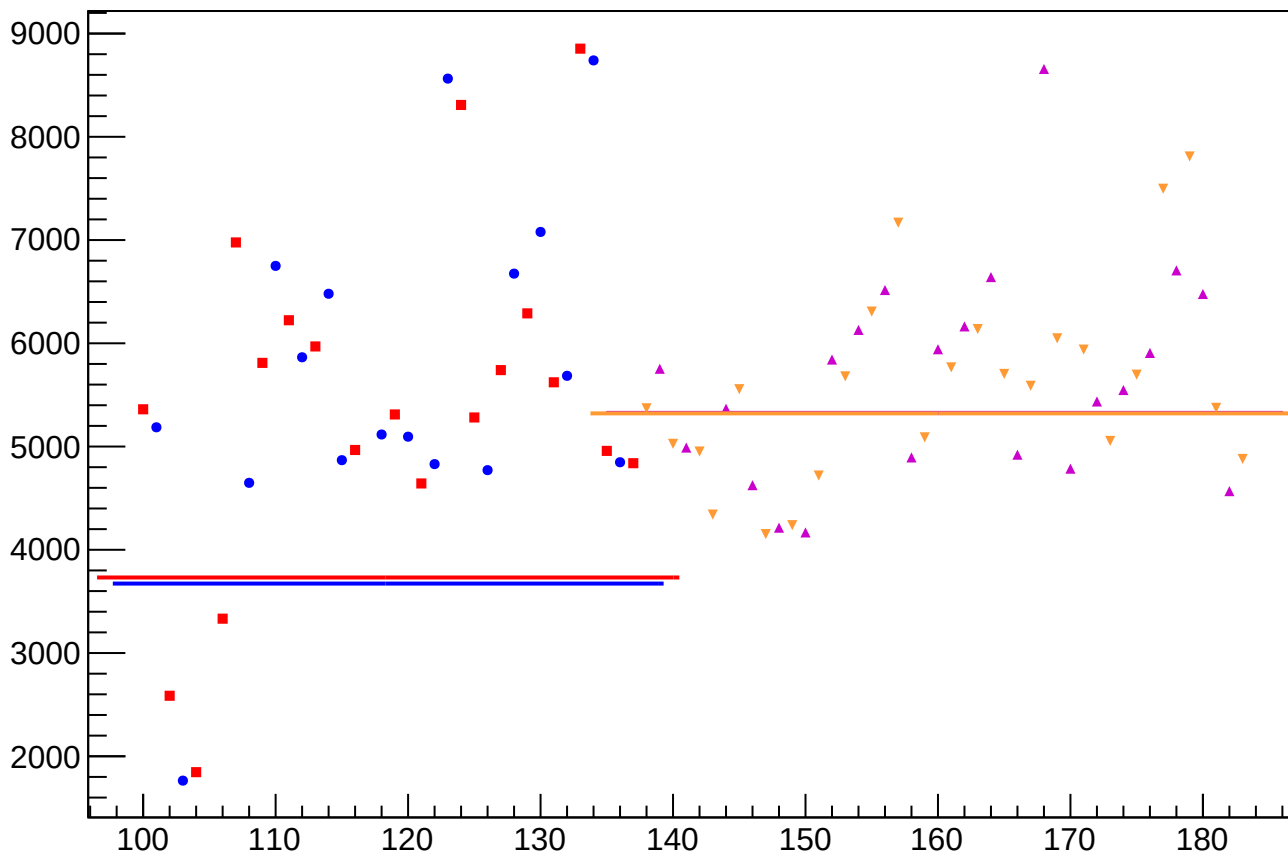
Right: 3198.175+/-1137.496 χ^2/NDF : 29.4/35

In: 3034.632+/-1014.253 χ^2/NDF : 26.4/38

Out: 1367.958+/-996.147 χ^2/NDF : 44.4/42

All: 2186.286+/-710.697 χ^2/NDF : 72.1/81

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3672.737 $\pm$ 1.138 χ^2 /NDF: 2780170.9/16

Left Out: 5321.189 $\pm$ 0.897 χ^2 /NDF: 889411.8/23

Right Out: 3731.692 $\pm$ 1.129 χ^2 /NDF: 2692478.3/18

Left In: 5325.956 $\pm$ 0.924 χ^2 /NDF: 947999.7/21

Left: 5323.503 $\pm$ 0.644 χ^2 /NDF: 1837425.2/45

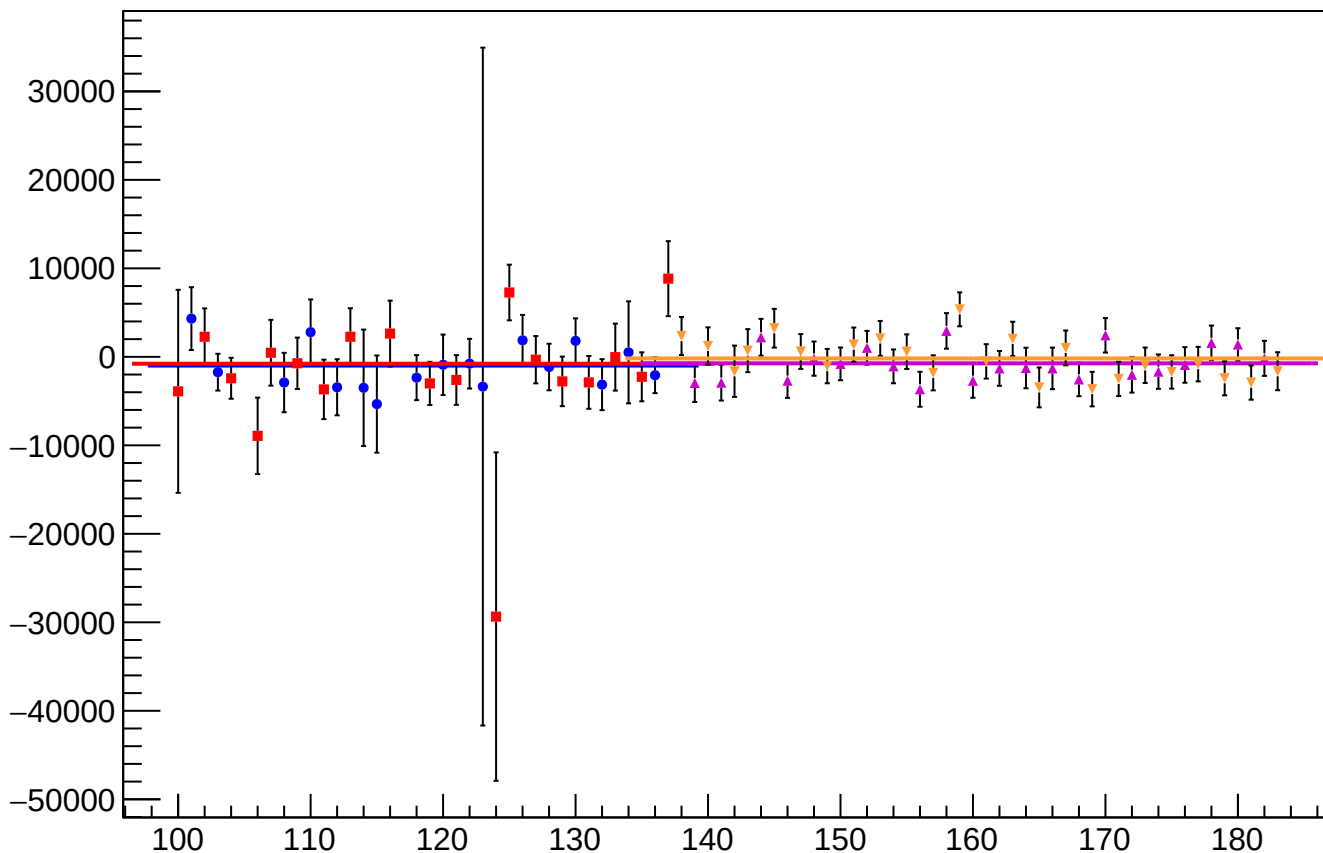
Right: 3702.434 $\pm$ 0.802 χ^2 /NDF: 5474001.3/35

In: 4669.272 $\pm$ 0.717 χ^2 /NDF: 5000462.5/38

Out: 4706.183 $\pm$ 0.703 χ^2 /NDF: 4796049.8/42

All: 4688.108 $\pm$ 0.502 χ^2 /NDF: 9797863.9/81

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -984.395+/-742.831 χ^2 /NDF: 8.5/16

Left Out: -177.424+/-413.954 χ^2 /NDF:29.3/23

Right Out: -778.348+/-739.635 χ^2 /NDF: 24.3/18

Left In: -730.422+/-423.441 χ^2 /NDF:20.0/21

Left: -447.659+/-296.007 χ^2 /NDF: 50.1/45

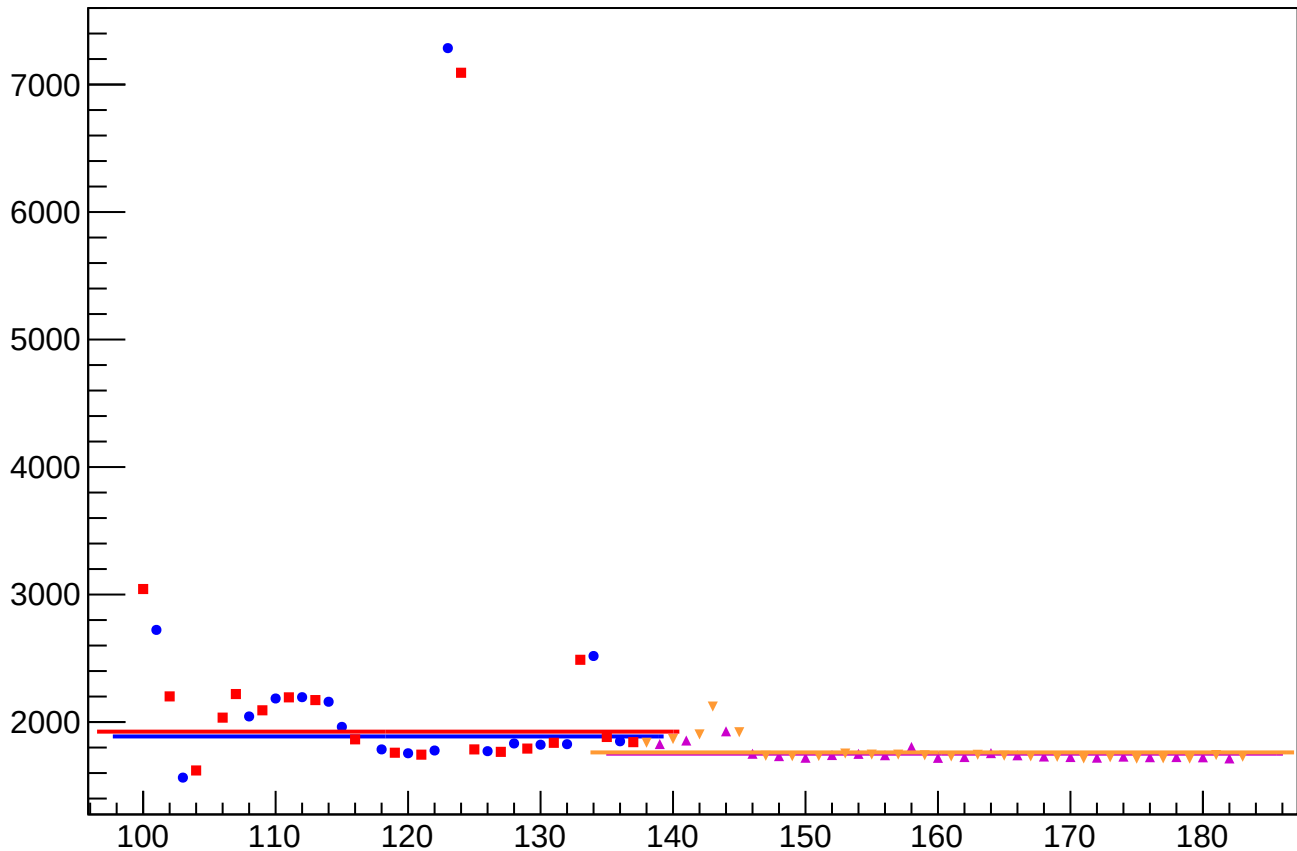
Right: -880.928+/-524.127 χ^2 /NDF: 32.9/35

In: -792.709+/-367.870 χ^2 /NDF:28.6/38

Out: -320.757+/-361.227 χ^2 /NDF:54.1/42

All: -552.434+/-257.743 χ^2 /NDF: 83.5/81

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1887.042 $\pm$ 0.525 χ^2 /NDF: 279163.5/16

Left Out: 1761.840 $\pm$ 0.293 χ^2 /NDF: 77011.4/23

Right Out: 1924.813 $\pm$ 0.522 χ^2 /NDF: 349556.4/18

Left In: 1751.804 $\pm$ 0.299 χ^2 /NDF: 28478.4/21

Left: 1756.936 $\pm$ 0.209 χ^2 /NDF: 106064.2/45

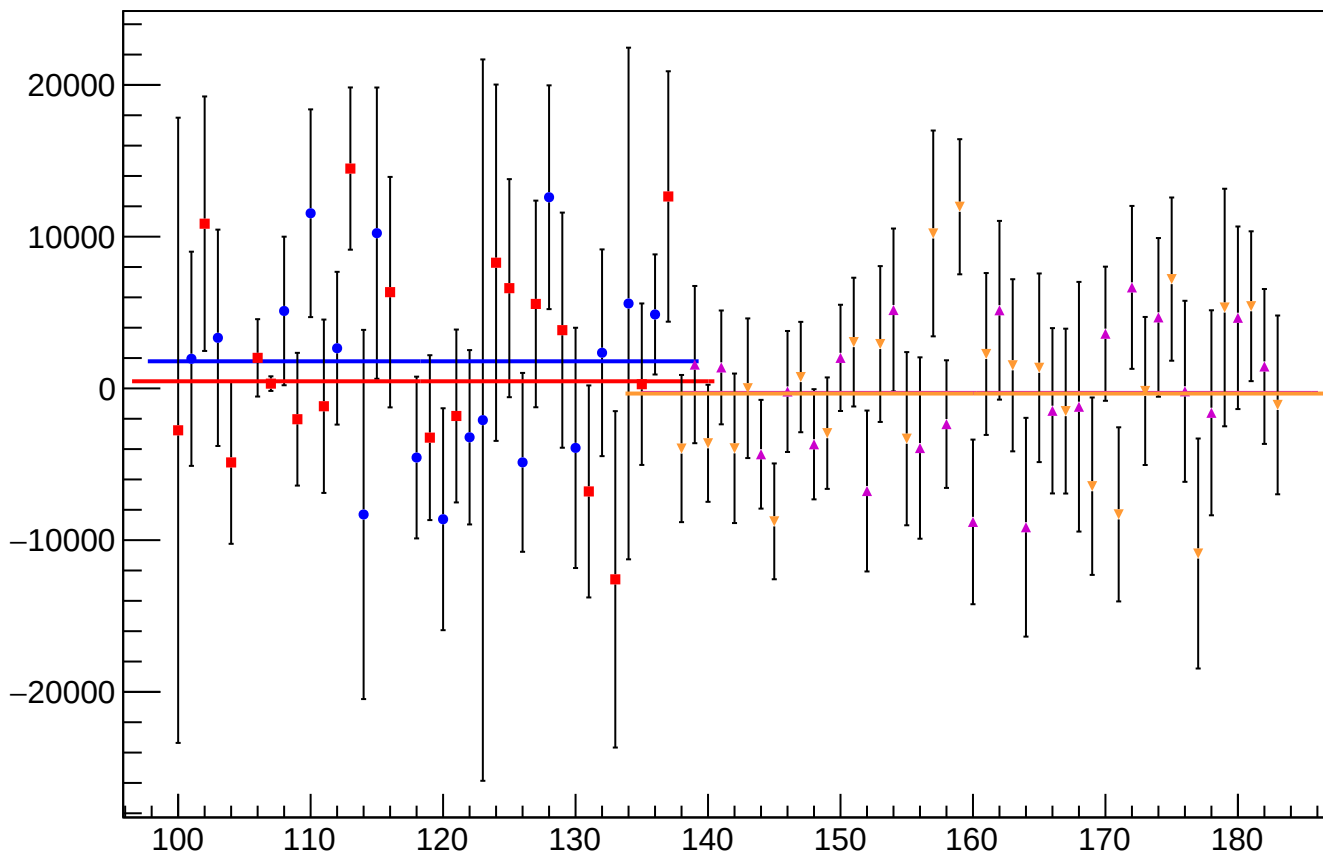
Right: 1906.038 $\pm$ 0.370 χ^2 /NDF: 631320.5/35

In: 1784.971 $\pm$ 0.260 χ^2 /NDF: 357673.8/38

Out: 1800.806 $\pm$ 0.255 χ^2 /NDF: 500685.3/42

All: 1793.036 $\pm$ 0.182 χ^2 /NDF: 860246.3/81

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1787.135+/-1585.326 χ^2/NDF : 12.9/16

Left Out: -338.620+/-1010.838 χ^2/NDF : 27.9/23

Right Out: 469.568+/-453.765 χ^2/NDF : 18.1/18

Left In: -297.895+/-1036.748 χ^2/NDF : 15.1/21

Left: -318.773+/-723.757 χ^2/NDF : 43.1/45

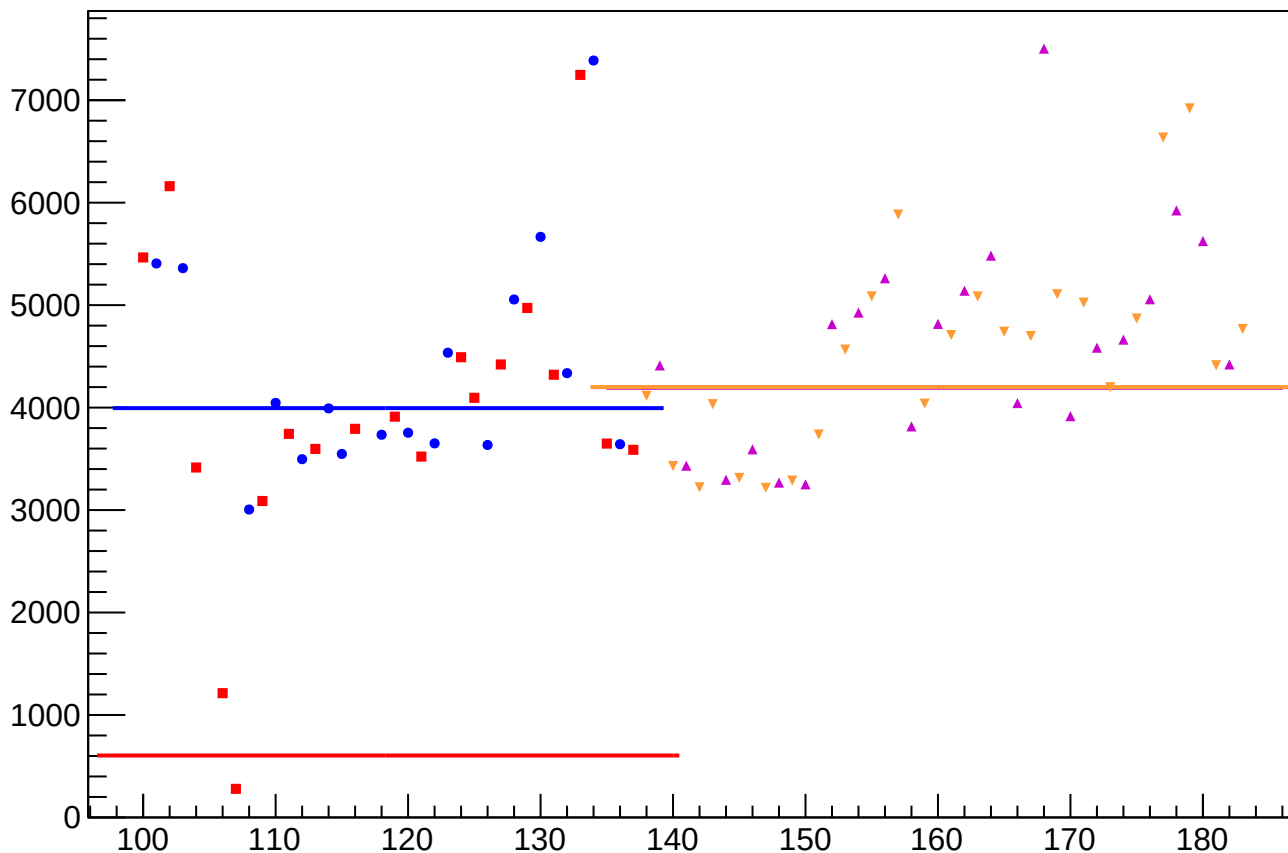
Right: 569.338+/-436.247 χ^2/NDF : 31.6/35

In: 326.693+/-867.679 χ^2/NDF : 29.2/38

Out: 334.023+/-413.968 χ^2/NDF : 46.6/42

All: 332.664+/-373.624 χ^2/NDF : 75.8/81

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3994.850+/-1.121 χ^2/NDF : 514121.6/16

Left Out: 4200.294+/-0.715 χ^2/NDF : 1436444.4/23

Right Out: 604.597+/-0.321 χ^2/NDF : 10213257.4/18

Left In: 4193.121+/-0.733 χ^2/NDF : 1468896.7/21

Left: 4196.798+/-0.512 χ^2/NDF : 2905390.2/45

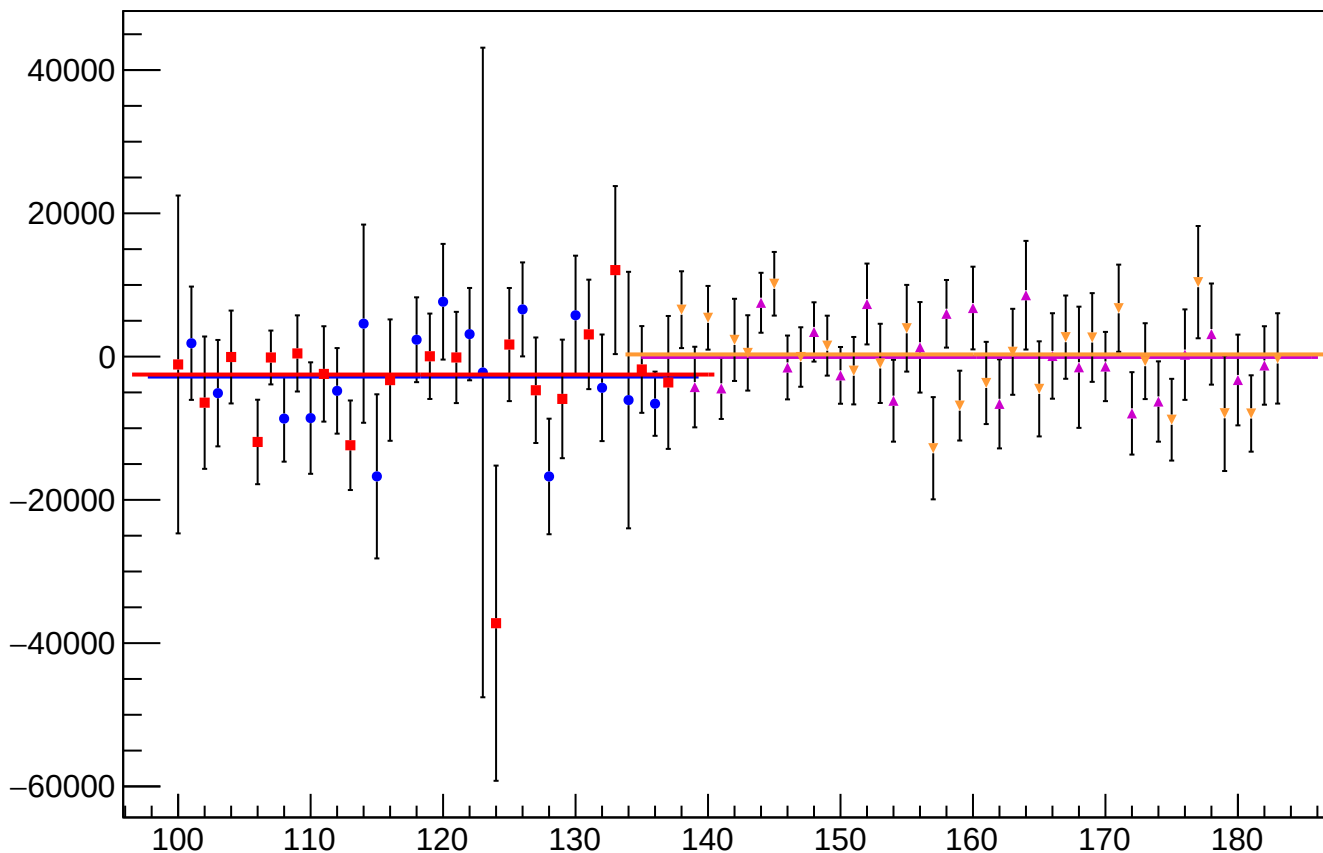
Right: 861.317+/-0.308 χ^2/NDF : 19181318.3/35

In: 4133.728+/-0.614 χ^2/NDF : 2004930.4/38

Out: 1207.648+/-0.293 χ^2/NDF : 32711972.8/42

All: 1750.195+/-0.264 χ^2/NDF : 53244481.1/8

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2785.964 ± 1791.352 χ^2/NDF : 14.0/16

Left Out: 303.648 ± 1113.569 χ^2/NDF : 24.1/23

Right Out: -2505.806 ± 1577.964 χ^2/NDF : 11.5/18

Left In: -45.955 ± 1138.539 χ^2/NDF : 18.2/21

Left: 132.722 ± 796.094 χ^2/NDF : 42.3/45

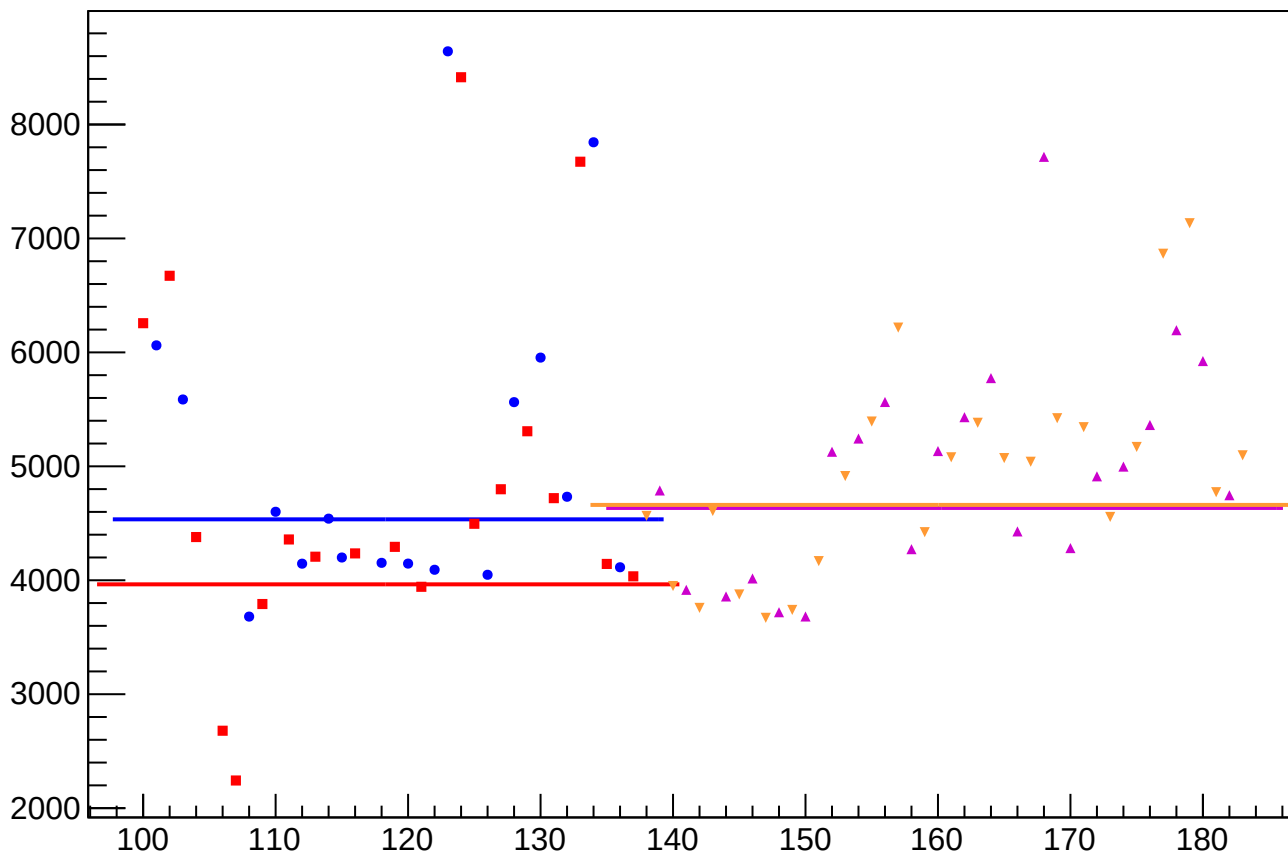
Right: -2628.213 ± 1184.083 χ^2/NDF : 25.5/35

In: -834.329 ± 960.885 χ^2/NDF : 33.8/38

Out: -630.351 ± 909.828 χ^2/NDF : 37.8/42

All: -726.777 ± 660.658 χ^2/NDF : 71.6/81

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4534.748 $\pm$ 1.267 χ^2 /NDF: 393206.7/16

Left Out: 4661.311 $\pm$ 0.787 χ^2 /NDF:1014746.1/23

Right Out: 3964.264 $\pm$ 1.109 χ^2 /NDF: 1142035.1/18

Left In: 4634.710 $\pm$ 0.805 χ^2 /NDF:1064283.4/21

Left: 4648.306 $\pm$ 0.563 χ^2 /NDF: 2079587.5/45

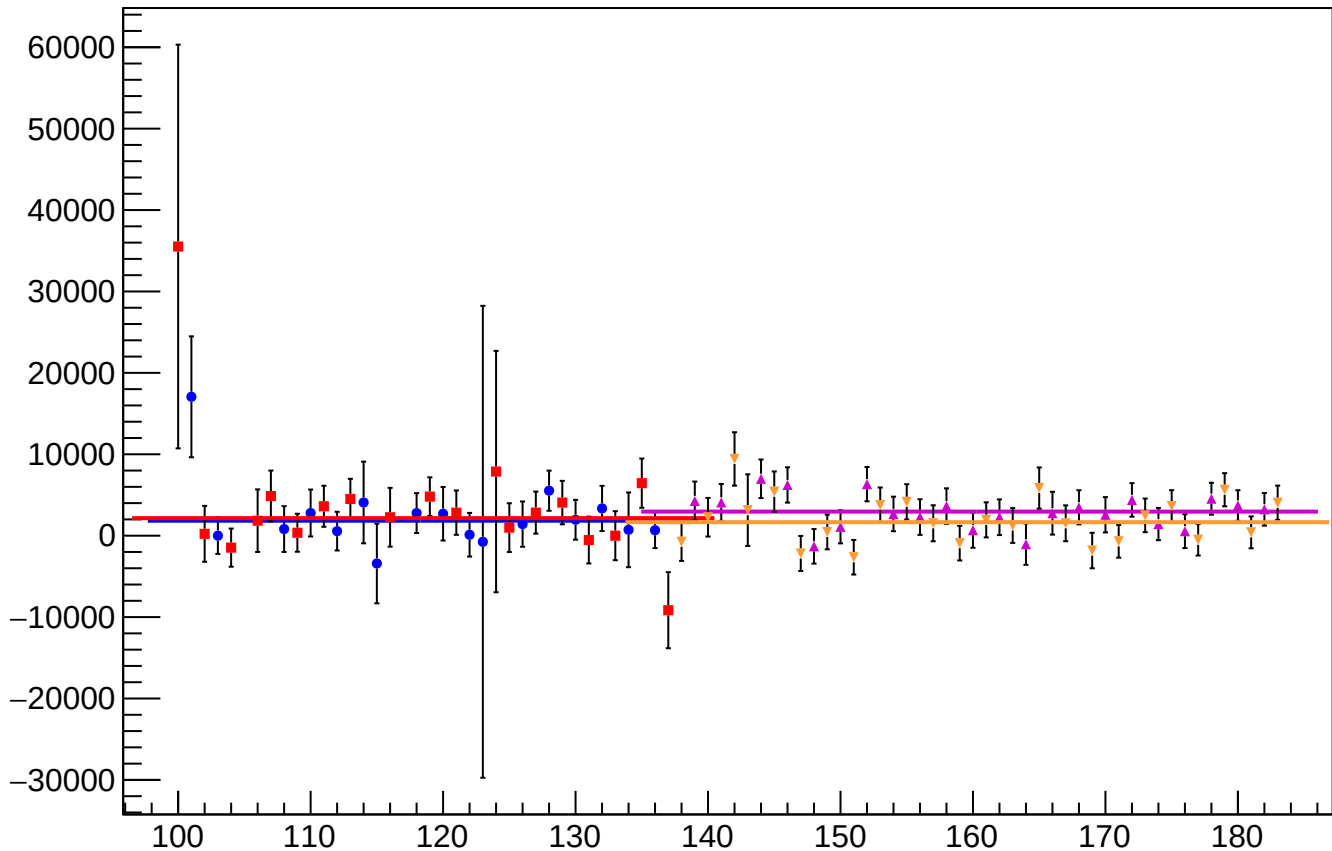
Right: 4211.715 $\pm$ 0.834 χ^2 /NDF: 1650099.0/35

In: 4605.948 $\pm$ 0.679 χ^2 /NDF:1461926.1/38

Out: 4427.584 $\pm$ 0.642 χ^2 /NDF:2419546.5/42

All: 4511.711 $\pm$ 0.467 χ^2 /NDF: 3917882.5/83

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1842.914+/-713.221 χ^2/NDF : 10.3/16

Left Out: 1663.009+/-450.987 χ^2/NDF : 35.1/23

Right Out: 2154.577+/-686.055 χ^2/NDF : 18.6/18

Left In: 2960.157+/-457.937 χ^2/NDF : 20.4/21

Left: 2301.665+/-321.325 χ^2/NDF : 59.6/45

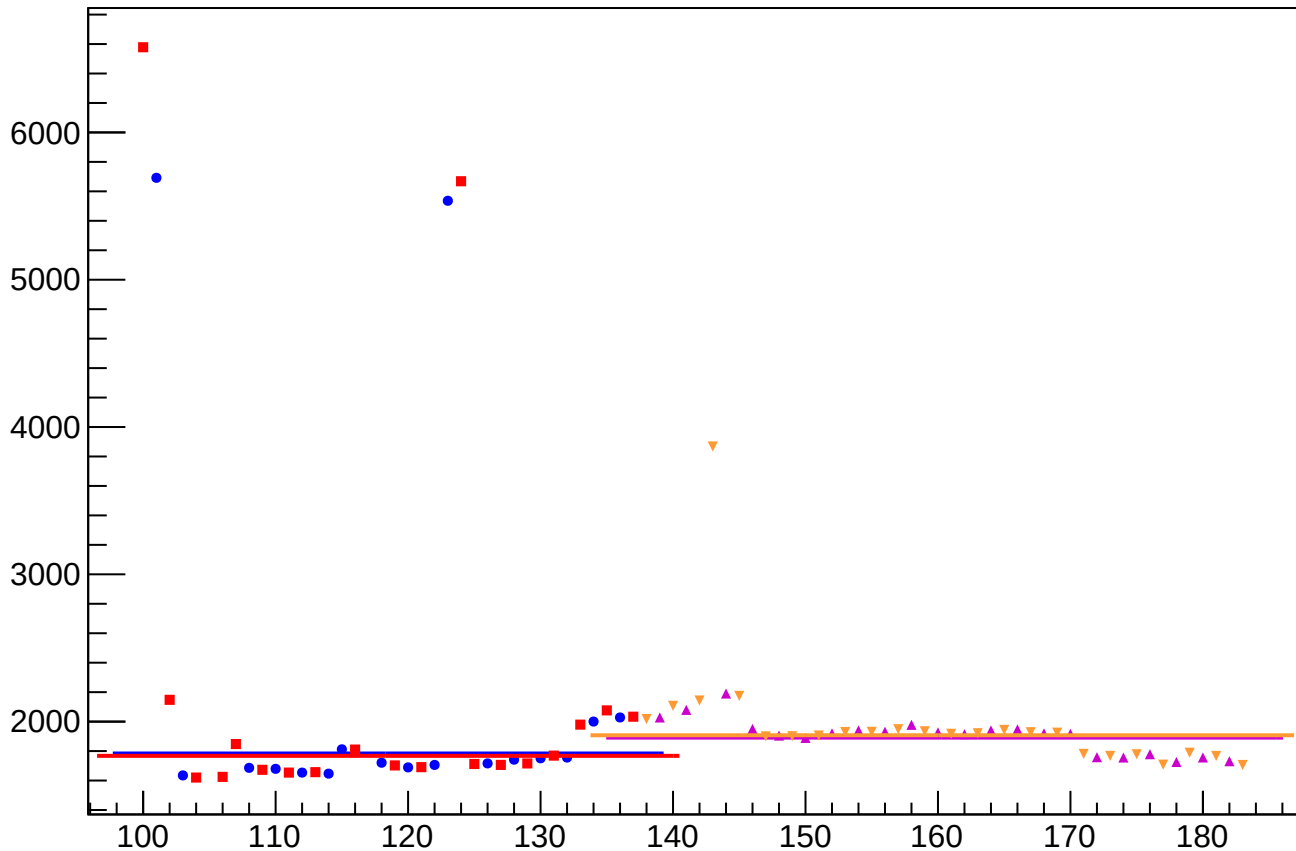
Right: 2004.794+/-494.439 χ^2/NDF : 28.9/35

In: 2634.021+/-385.345 χ^2/NDF : 32.4/38

Out: 1811.333+/-376.854 χ^2/NDF : 54.0/42

All: 2213.514+/-269.428 χ^2/NDF : 88.8/81

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1783.480+/-0.504 χ^2/NDF : 644626.7/16

Left Out: 1907.357+/-0.319 χ^2/NDF : 533642.7/23

Right Out: 1767.629+/-0.482 χ^2/NDF : 306027.2/18

Left In: 1891.457+/-0.324 χ^2/NDF : 123111.9/21

Left: 1899.528+/-0.227 χ^2/NDF : 657978.6/45

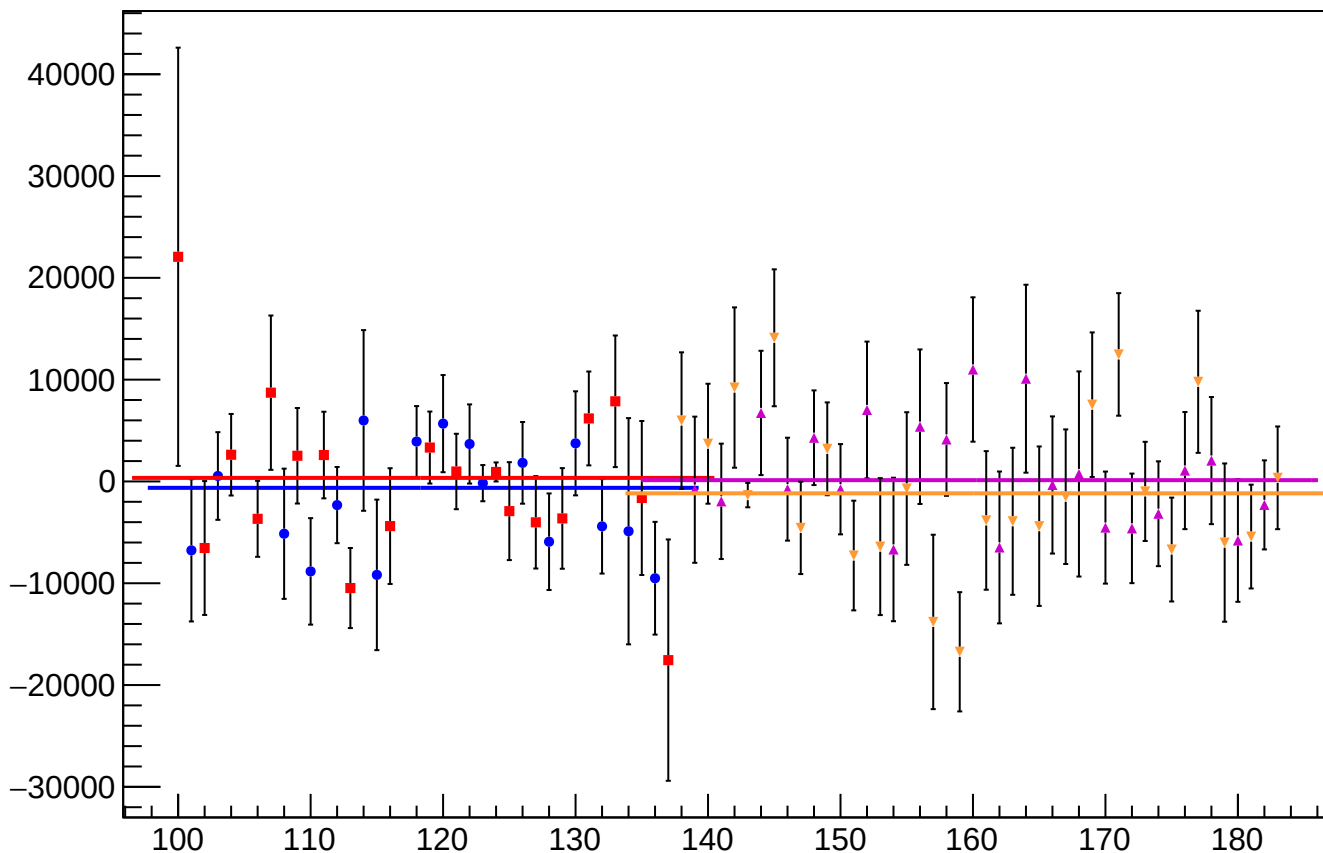
Right: 1775.193+/-0.348 χ^2/NDF : 951170.4/35

In: 1859.937+/-0.272 χ^2/NDF : 800197.2/38

Out: 1864.788+/-0.266 χ^2/NDF : 898158.7/42

All: 1862.422+/-0.190 χ^2/NDF : 1698518.2/81

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -628.255+/-1010.986 χ^2/NDF : 16.4/16

Left Out: -1167.053+/-870.029 χ^2/NDF : 33.3/23

Right Out: 347.826+/-725.877 χ^2/NDF : 22.1/18

Left In: 126.260+/-1261.563 χ^2/NDF : 12.8/21

Left: -750.201+/-716.223 χ^2/NDF : 46.8/45

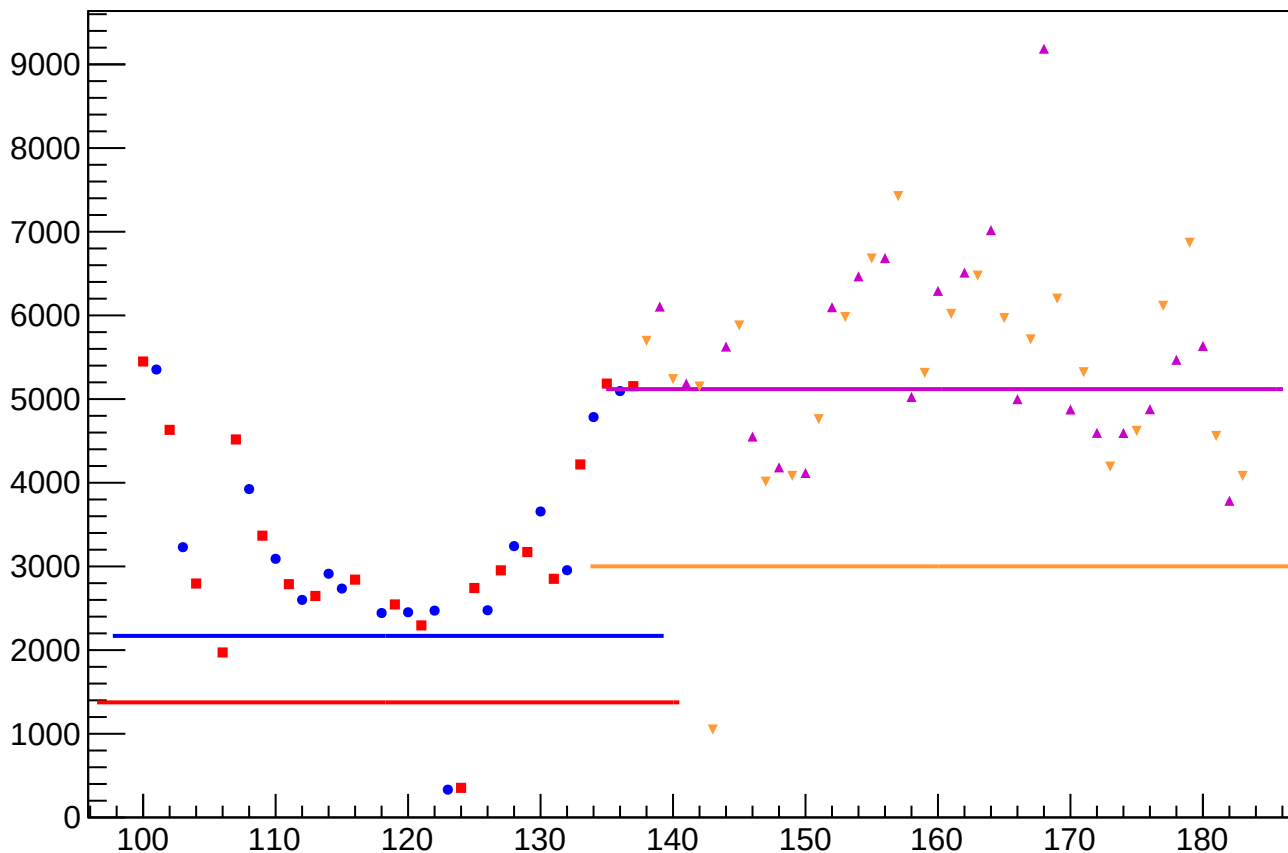
Right: 15.807+/-589.636 χ^2/NDF : 39.1/35

In: -333.193+/-788.918 χ^2/NDF : 29.4/38

Out: -273.887+/-557.365 χ^2/NDF : 57.2/42

All: -293.633+/-455.218 χ^2/NDF : 86.6/81

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2169.912 $\pm$ 0.715 χ^2 /NDF: 3978081.8/16

Left Out: 3001.231 $\pm$ 0.615 χ^2 /NDF: 12236160.4/23

Right Out: 1375.364 $\pm$ 0.513 χ^2 /NDF: 6838676.6/18

Left In: 5119.149 $\pm$ 0.892 χ^2 /NDF: 1251490.2/21

Left: 3683.864 $\pm$ 0.506 χ^2 /NDF: 17307612.2/45

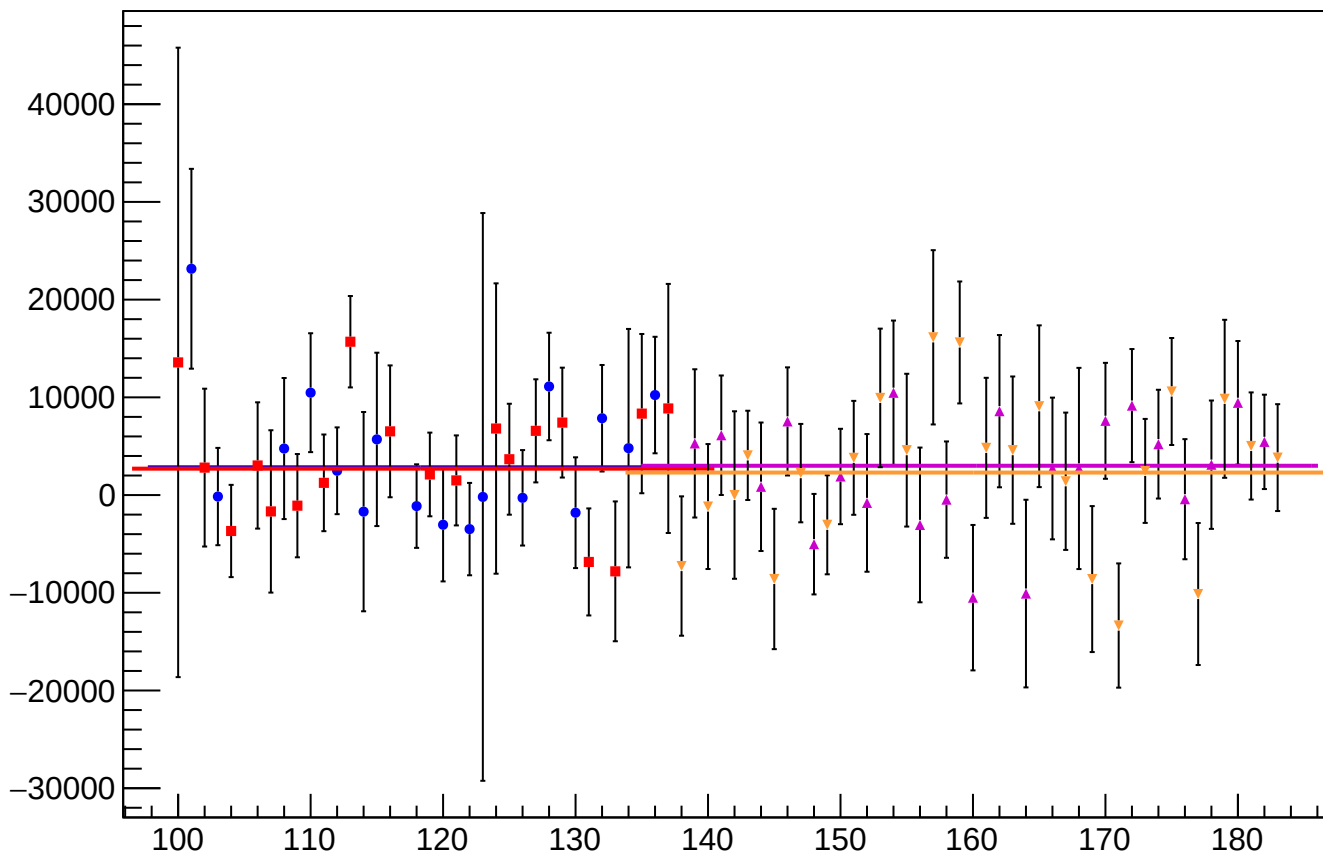
Right: 1645.633 $\pm$ 0.417 χ^2 /NDF: 11631878.4/35

In: 3323.246 $\pm$ 0.558 χ^2 /NDF: 11885437.2/38

Out: 2042.627 $\pm$ 0.394 χ^2 /NDF: 23192841.0/42

All: 2469.006 $\pm$ 0.322 χ^2 /NDF: 38593605.8/80

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2842.572 $\pm$ 1452.178 χ^2 /NDF: 15.7/16

Left Out: 2303.675 $\pm$ 1300.120 χ^2 /NDF:29.5/23

Right Out: 2702.572 $\pm$ 1382.936 χ^2 /NDF: 18.2/18

Left In: 2999.567 $\pm$ 1355.459 χ^2 /NDF:15.0/21

Left: 2637.126 $\pm$ 938.278 χ^2 /NDF: 44.7/45

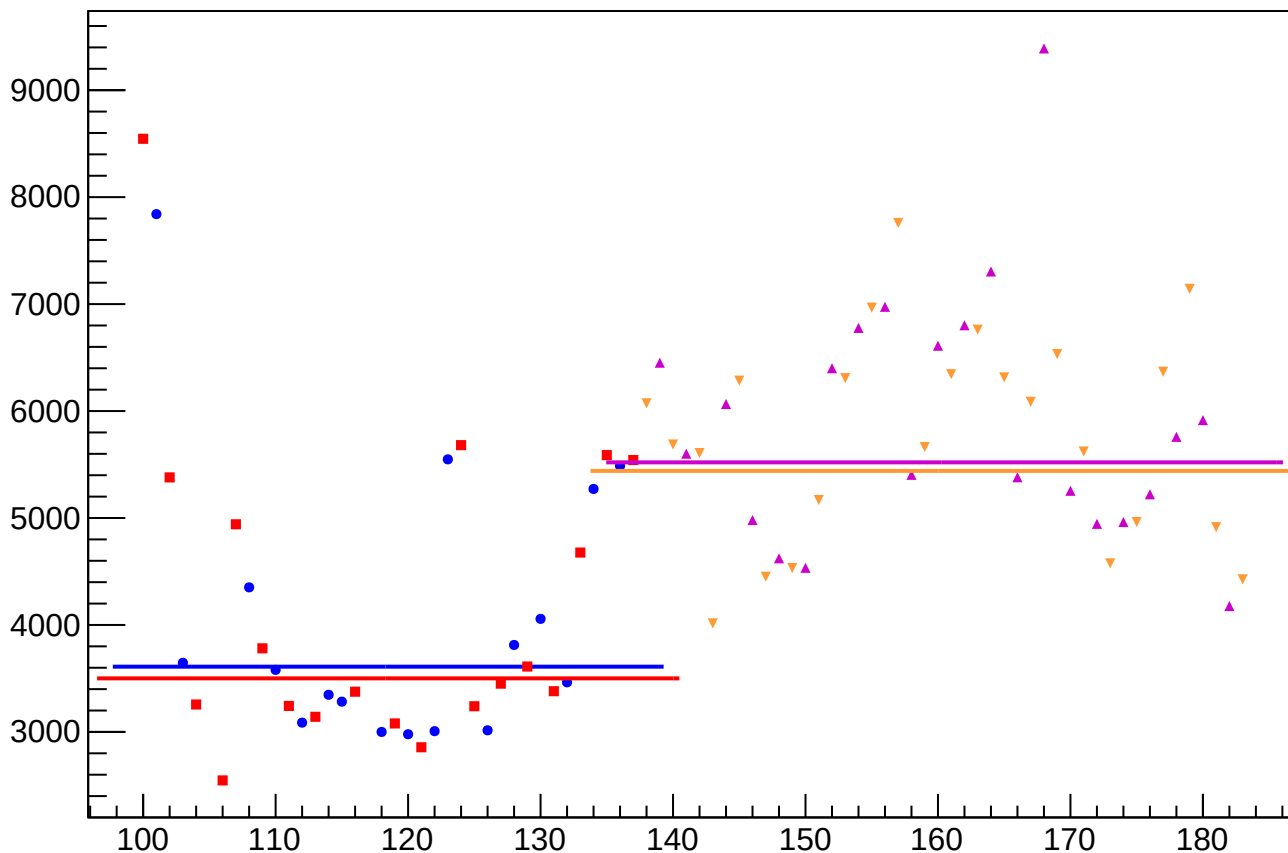
Right: 2769.155 $\pm$ 1001.468 χ^2 /NDF: 33.9/35

In: 2926.471 $\pm$ 990.884 χ^2 /NDF:30.7/38

Out: 2490.823 $\pm$ 947.249 χ^2 /NDF:47.8/42

All: 2698.844 $\pm$ 684.712 χ^2 /NDF: 78.6/81

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3610.008 $\pm$ 1.027 χ^2 /NDF: 783187.3/16

Left Out: 5440.405 $\pm$ 0.919 χ^2 /NDF:1084730.0/23

Right Out: 3500.718 $\pm$ 0.964 χ^2 /NDF: 661555.5/18

Left In: 5520.297 $\pm$ 0.958 χ^2 /NDF:1026360.6/21

Left: 5478.687 $\pm$ 0.663 χ^2 /NDF: 2114709.4/45

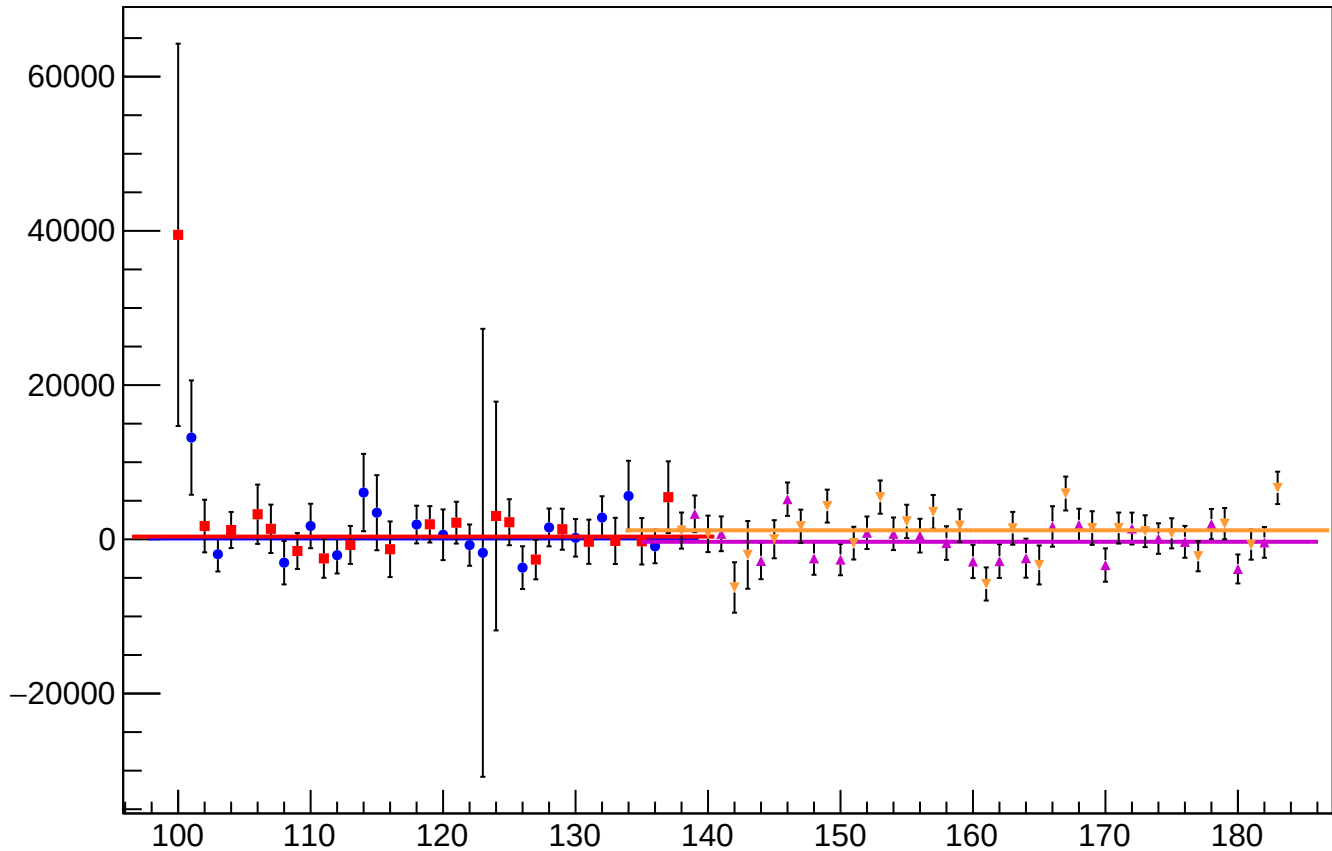
Right: 3551.929 $\pm$ 0.703 χ^2 /NDF: 1450762.7/35

In: 4630.876 $\pm$ 0.701 χ^2 /NDF:3659090.2/38

Out: 4516.769 $\pm$ 0.665 χ^2 /NDF:3866088.1/42

All: 4570.876 $\pm$ 0.482 χ^2 /NDF: 7539124.1/81

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 115.789+/-711.081 χ^2/NDF : 13.7/16

Left Out: 1171.385+/-450.140 χ^2/NDF : 43.7/23

Right Out: 353.491+/-683.689 χ^2/NDF : 9.9/18

Left In: -319.188+/-457.309 χ^2/NDF : 25.8/21

Left: 437.874+/-320.802 χ^2/NDF : 74.9/45

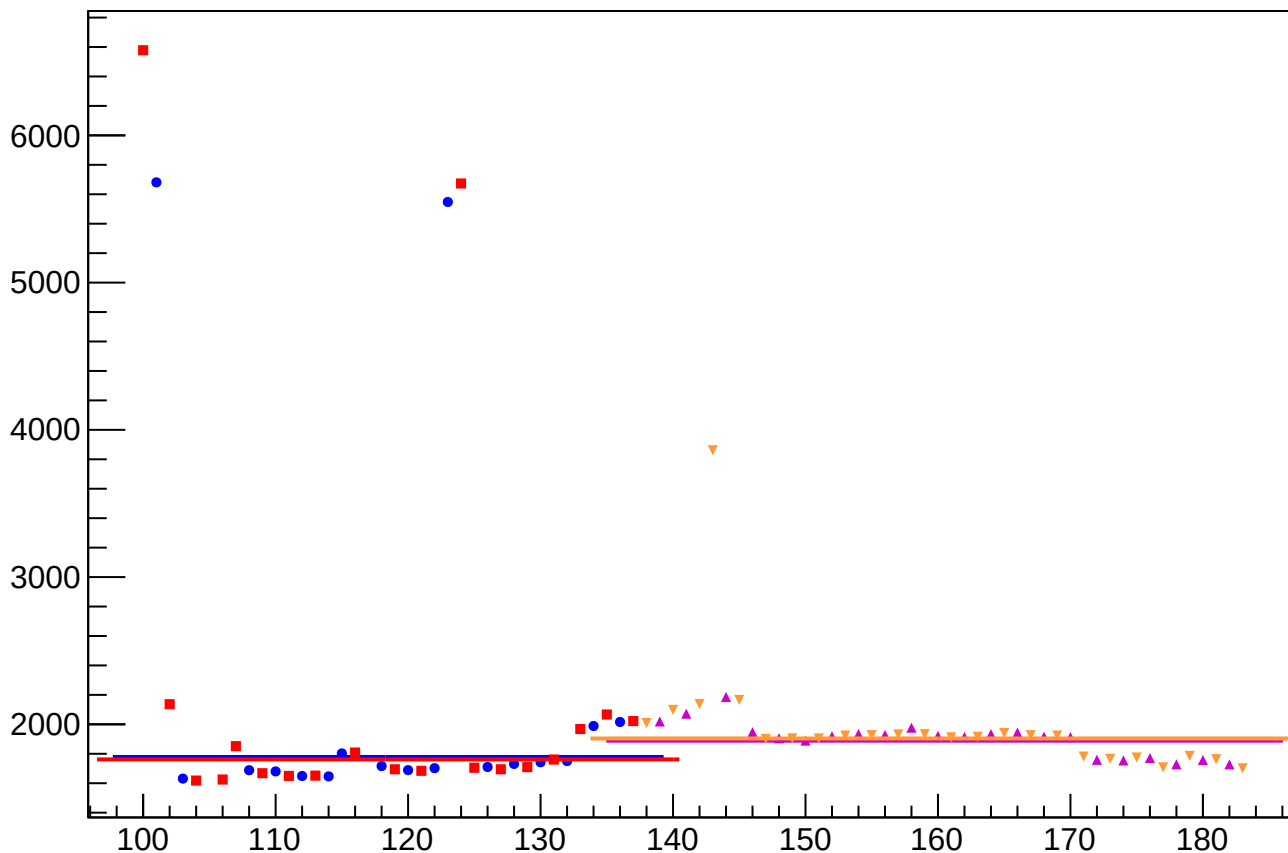
Right: 239.307+/-492.840 χ^2/NDF : 23.7/35

In: -191.920+/-384.633 χ^2/NDF : 39.8/38

Out: 924.053+/-375.968 χ^2/NDF : 54.6/42

All: 378.779+/-268.861 χ^2/NDF : 98.7/81

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1778.202 $\pm$ 0.503 χ^2 /NDF: 642982.9/16

Left Out: 1903.909 $\pm$ 0.318 χ^2 /NDF: 530401.7/23

Right Out: 1761.653 $\pm$ 0.480 χ^2 /NDF: 305365.0/18

Left In: 1888.960 $\pm$ 0.323 χ^2 /NDF: 120077.1/21

Left: 1896.553 $\pm$ 0.227 χ^2 /NDF: 651564.3/45

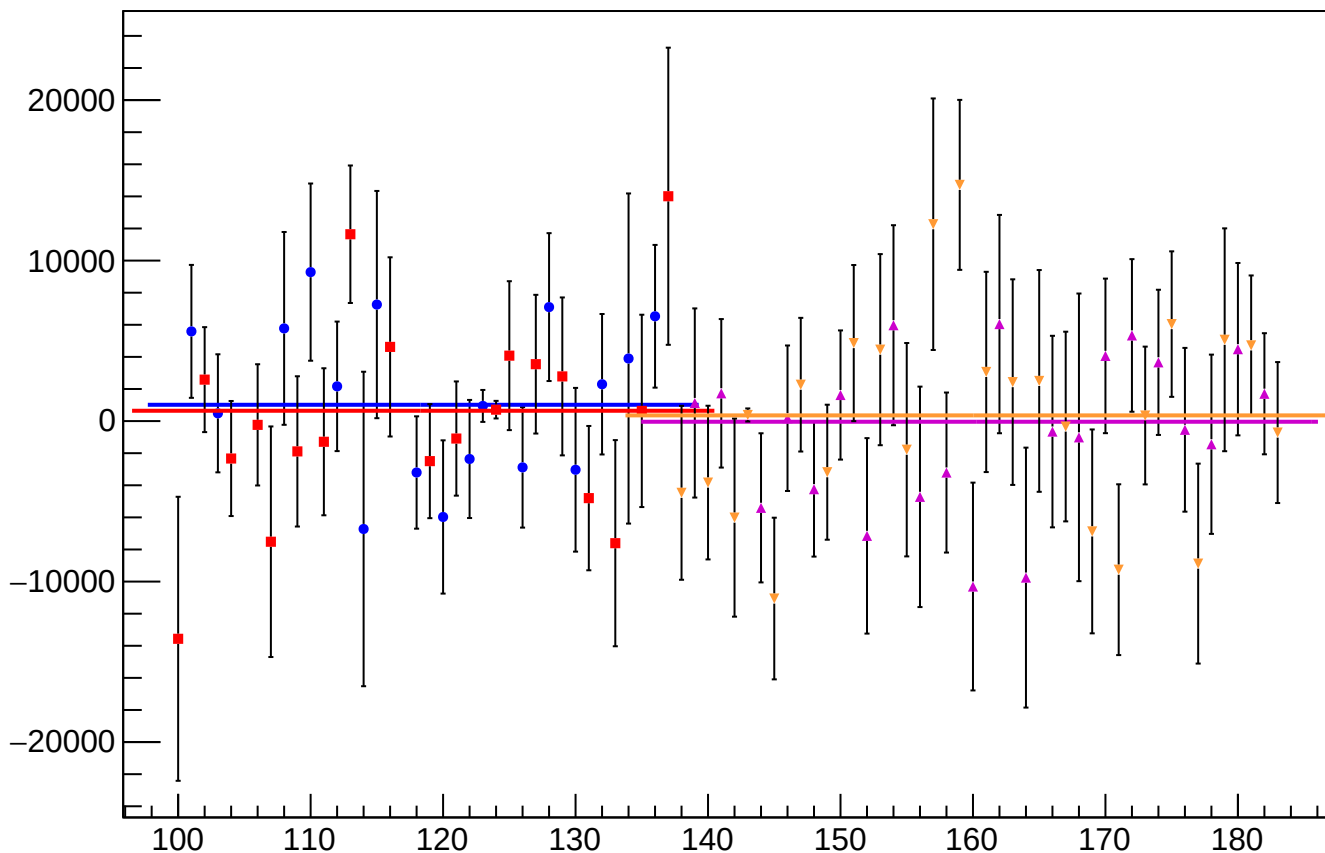
Right: 1769.546 $\pm$ 0.347 χ^2 /NDF: 948914.5/35

In: 1856.554 $\pm$ 0.272 χ^2 /NDF: 797385.3/38

Out: 1860.478 $\pm$ 0.265 χ^2 /NDF: 896749.6/42

All: 1858.564 $\pm$ 0.190 χ^2 /NDF: 1694241.6/81

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1015.864+/-753.323 χ^2/NDF : 15.2/16

Left Out: 355.192+/-382.617 χ^2/NDF : 30.0/23

Right Out: 643.706+/-488.275 χ^2/NDF : 20.0/18

Left In: -41.390+/-1107.020 χ^2/NDF : 14.3/21

Left: 312.872+/-361.627 χ^2/NDF : 44.5/45

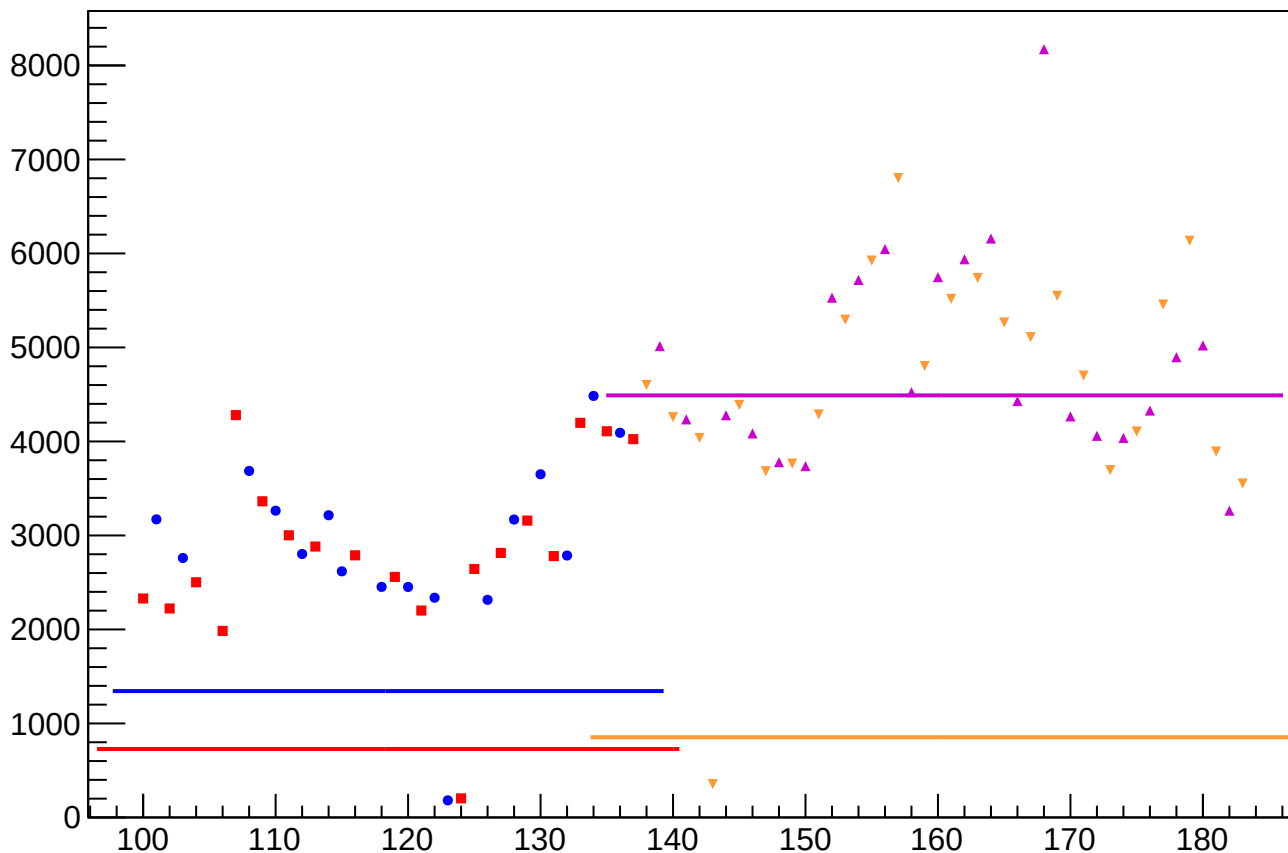
Right: 753.802+/-409.735 χ^2/NDF : 35.3/35

In: 681.234+/-622.799 χ^2/NDF : 30.1/38

Out: 464.954+/-301.166 χ^2/NDF : 50.2/42

All: 505.944+/-271.130 χ^2/NDF : 80.4/81

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1344.476 $\pm$ 0.533 χ^2 /NDF: 6835525.9/16

Left Out: 852.832 $\pm$ 0.271 χ^2 /NDF: 26055046.3/23

Right Out: 728.423 $\pm$ 0.345 χ^2 /NDF: 9480438.9/18

Left In: 4490.331 $\pm$ 0.783 χ^2 /NDF: 1281159.6/21

Left: 1240.994 $\pm$ 0.256 χ^2 /NDF: 46625523.5/45

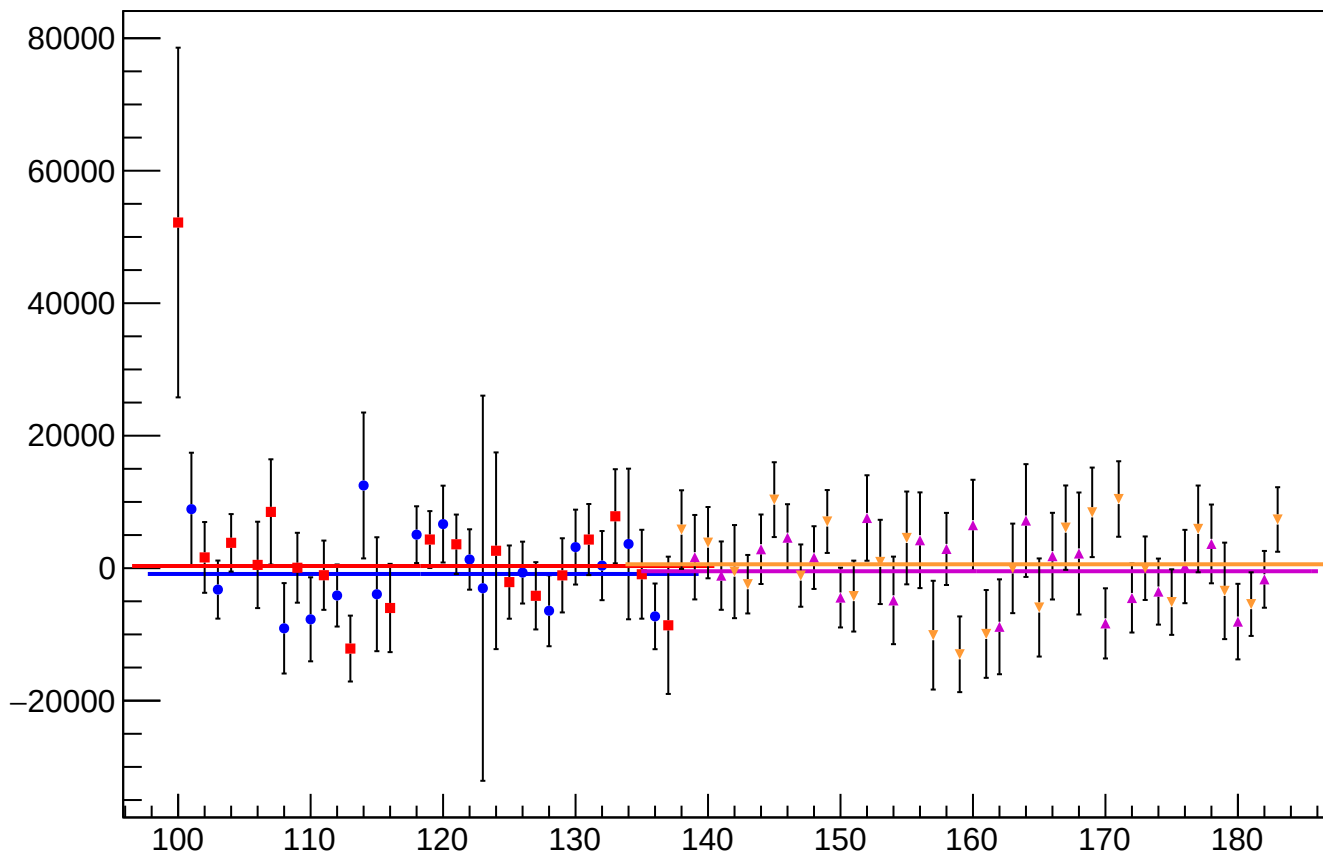
Right: 910.670 $\pm$ 0.290 χ^2 /NDF: 17257813.4/35

In: 2340.165 $\pm$ 0.440 χ^2 /NDF: 19155692.0/38

Out: 805.502 $\pm$ 0.213 χ^2 /NDF: 35615929.2/42

All: 1096.354 $\pm$ 0.192 χ^2 /NDF: 64614036.7/8

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -874.074+/-1400.106 χ^2/NDF : 13.6/16

Left Out: 589.380+/-1167.883 χ^2/NDF : 29.3/23

Right Out: 328.412+/-1333.346 χ^2/NDF : 17.8/18

Left In: -461.654+/-1212.864 χ^2/NDF : 14.3/21

Left: 83.714+/-841.270 χ^2/NDF : 43.9/45

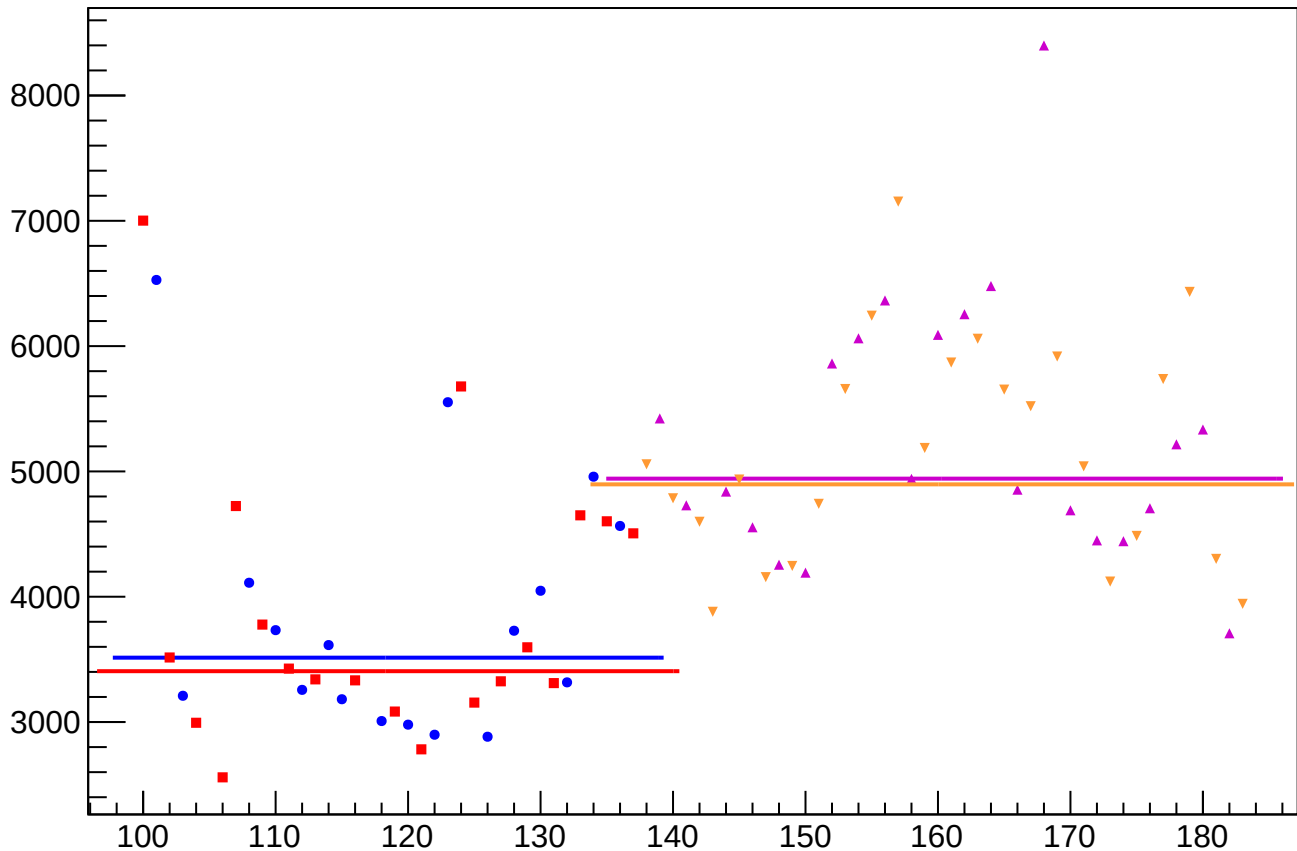
Right: -243.480+/-965.557 χ^2/NDF : 31.8/35

In: -638.462+/-916.730 χ^2/NDF : 27.9/38

Out: 476.084+/-878.528 χ^2/NDF : 47.1/42

All: -57.482+/-634.288 χ^2/NDF : 75.8/81

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3513.685 $\pm$ 0.990 χ^2 /NDF: 560775.0/16

Left Out: 4896.768 $\pm$ 0.826 χ^2 /NDF: 944333.0/23

Right Out: 3405.768 $\pm$ 0.931 χ^2 /NDF: 428480.7/18

Left In: 4942.332 $\pm$ 0.858 χ^2 /NDF: 996474.2/21

Left: 4918.689 $\pm$ 0.595 χ^2 /NDF: 1942271.8/45

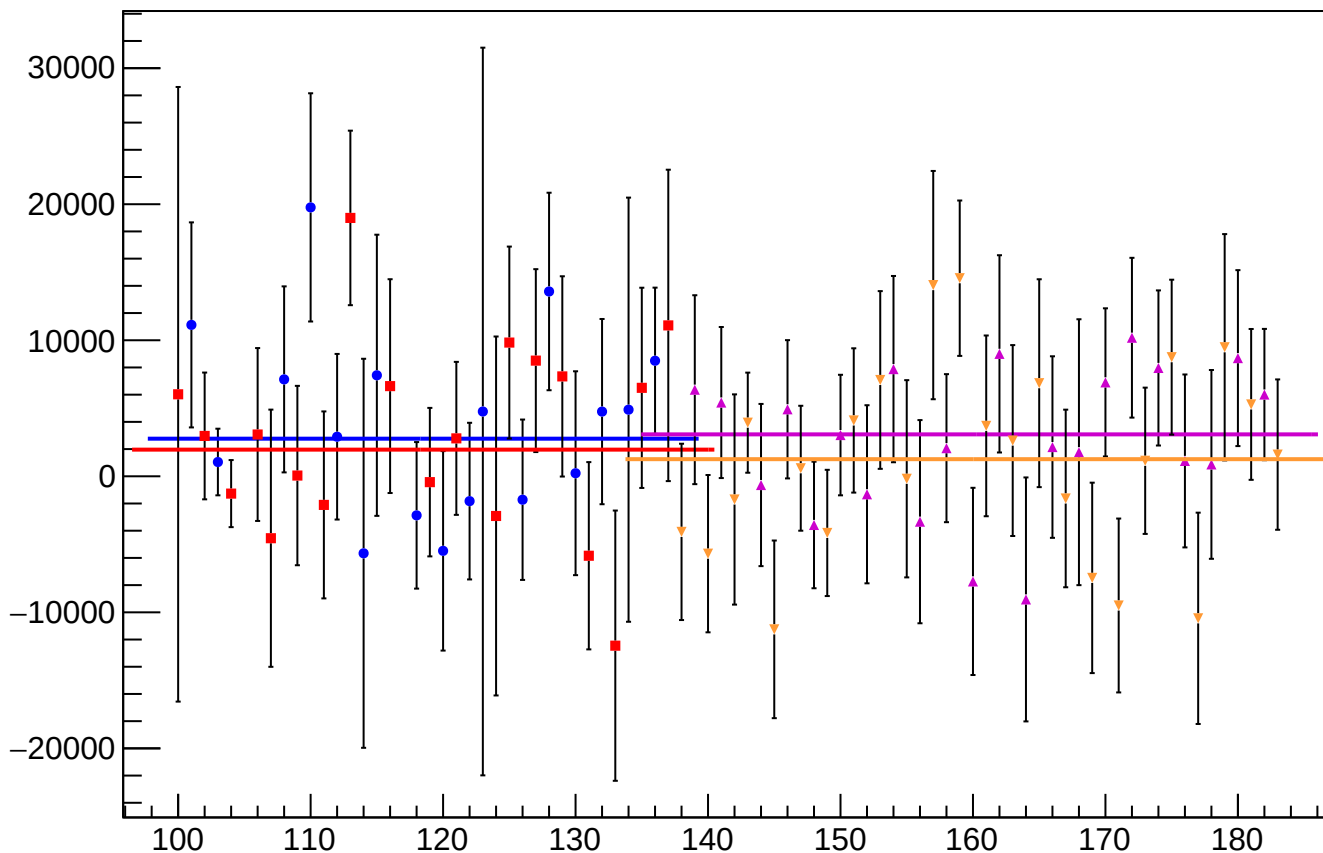
Right: 3456.388 $\pm$ 0.678 χ^2 /NDF: 995564.3/35

In: 4329.856 $\pm$ 0.648 χ^2 /NDF: 2746899.6/38

Out: 4239.861 $\pm$ 0.618 χ^2 /NDF: 2809008.9/42

All: 4282.687 $\pm$ 0.447 χ^2 /NDF: 5566010.8/81

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2764.928+/-1455.950 χ^2/NDF : 13.9/16

Left Out: 1258.540+/-1217.376 χ^2/NDF : 27.5/23

Right Out: 1959.806+/-1383.928 χ^2/NDF : 17.6/18

Left In: 3081.714+/-1285.702 χ^2/NDF : 13.7/21

Left: 2120.398+/-883.983 χ^2/NDF : 42.3/45

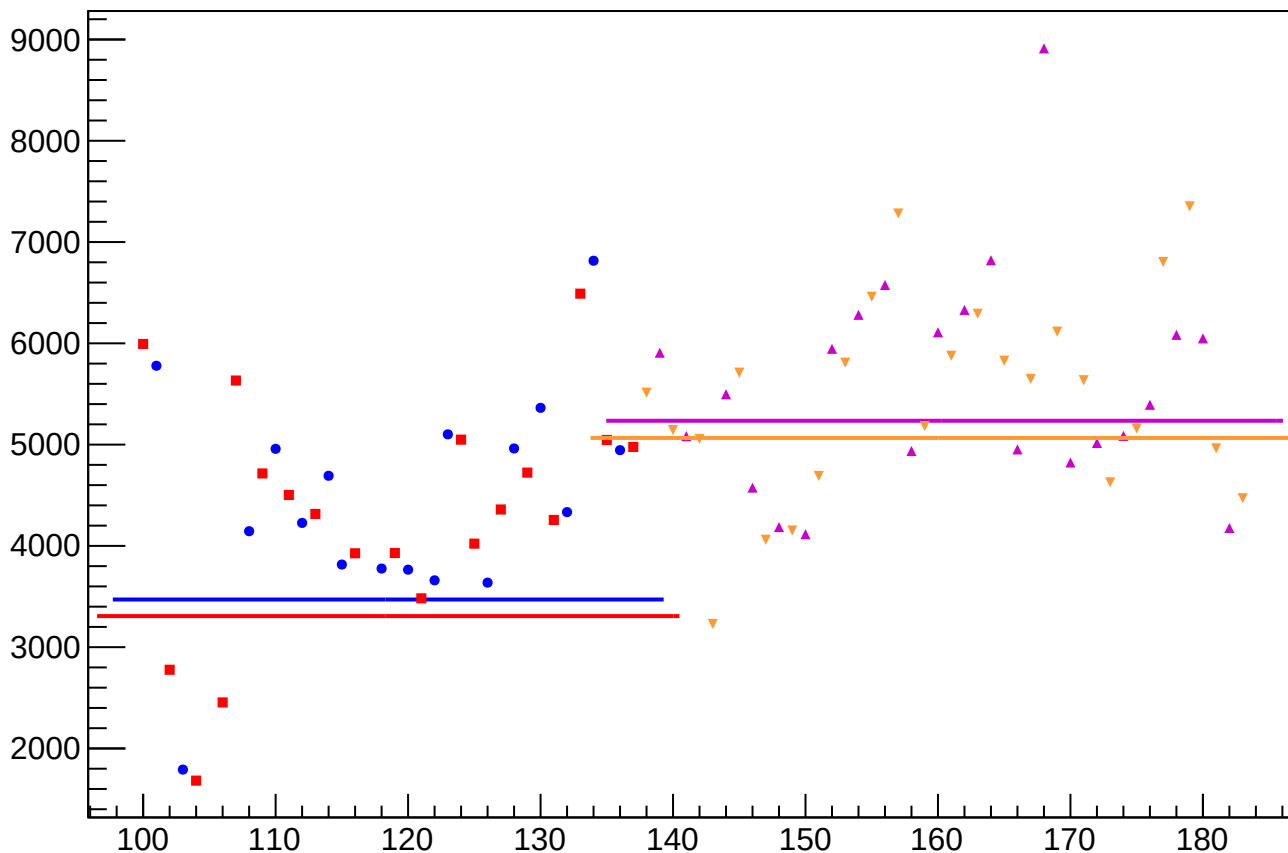
Right: 2341.962+/-1003.080 χ^2/NDF : 31.7/35

In: 2942.917+/-963.726 χ^2/NDF : 27.7/38

Out: 1564.457+/-914.058 χ^2/NDF : 45.3/42

All: 2217.252+/-663.201 χ^2/NDF : 74.0/81

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.650+/-1.029 χ^2/NDF : 1765892.2/16

Left Out: 5065.890+/-0.861 χ^2/NDF :1427941.7/23

Right Out: 3306.828+/-0.970 χ^2/NDF : 1911650.7/18

Left In: 5235.485+/-0.909 χ^2/NDF :1029720.5/21

Left: 5146.062+/-0.625 χ^2/NDF : 2476011.3/45

Right: 3383.837+/-0.706 χ^2/NDF : 3690961.8/35

In: 4462.216+/-0.681 χ^2/NDF :4446755.5/38

Out: 4290.548+/-0.644 χ^2/NDF :5180173.2/42

All: 4371.500+/-0.468 χ^2/NDF : 9660464.2/81

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

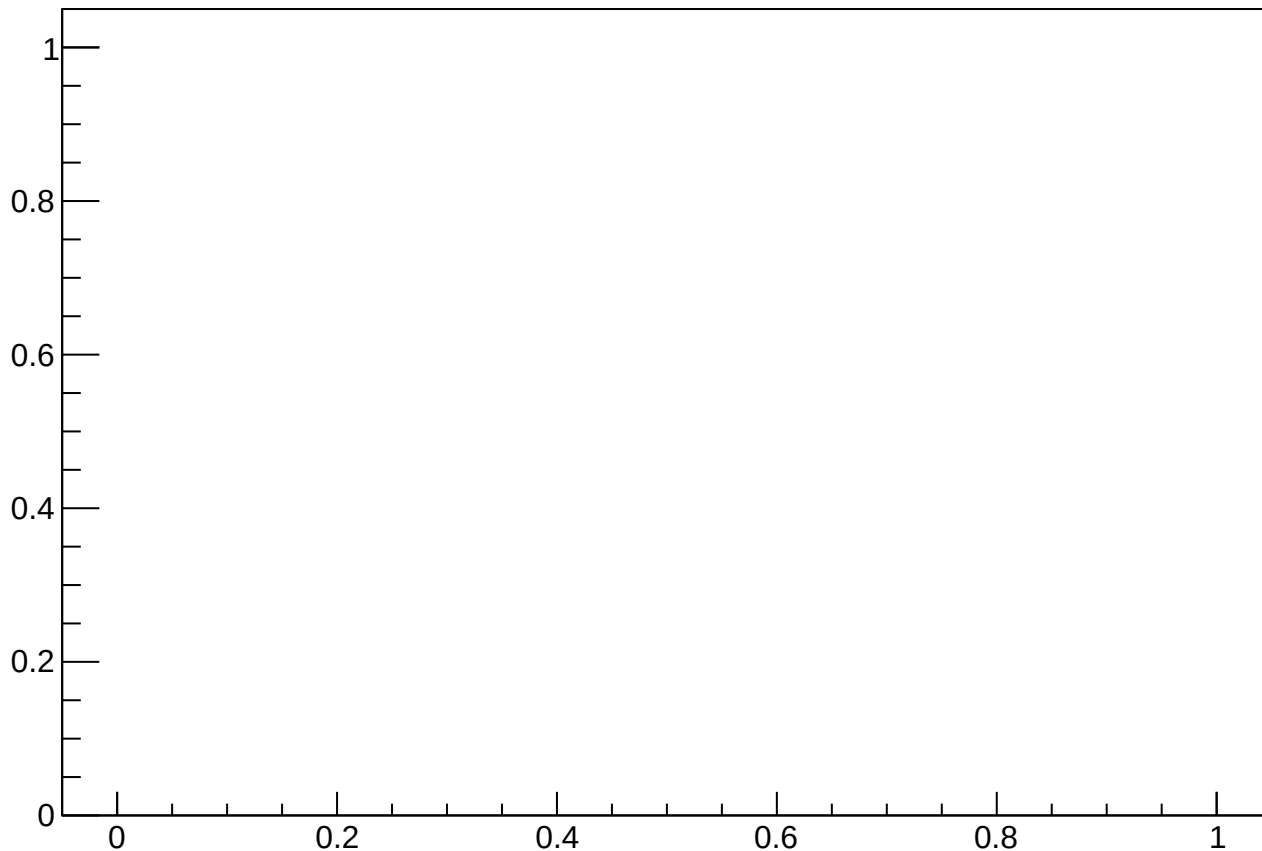
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

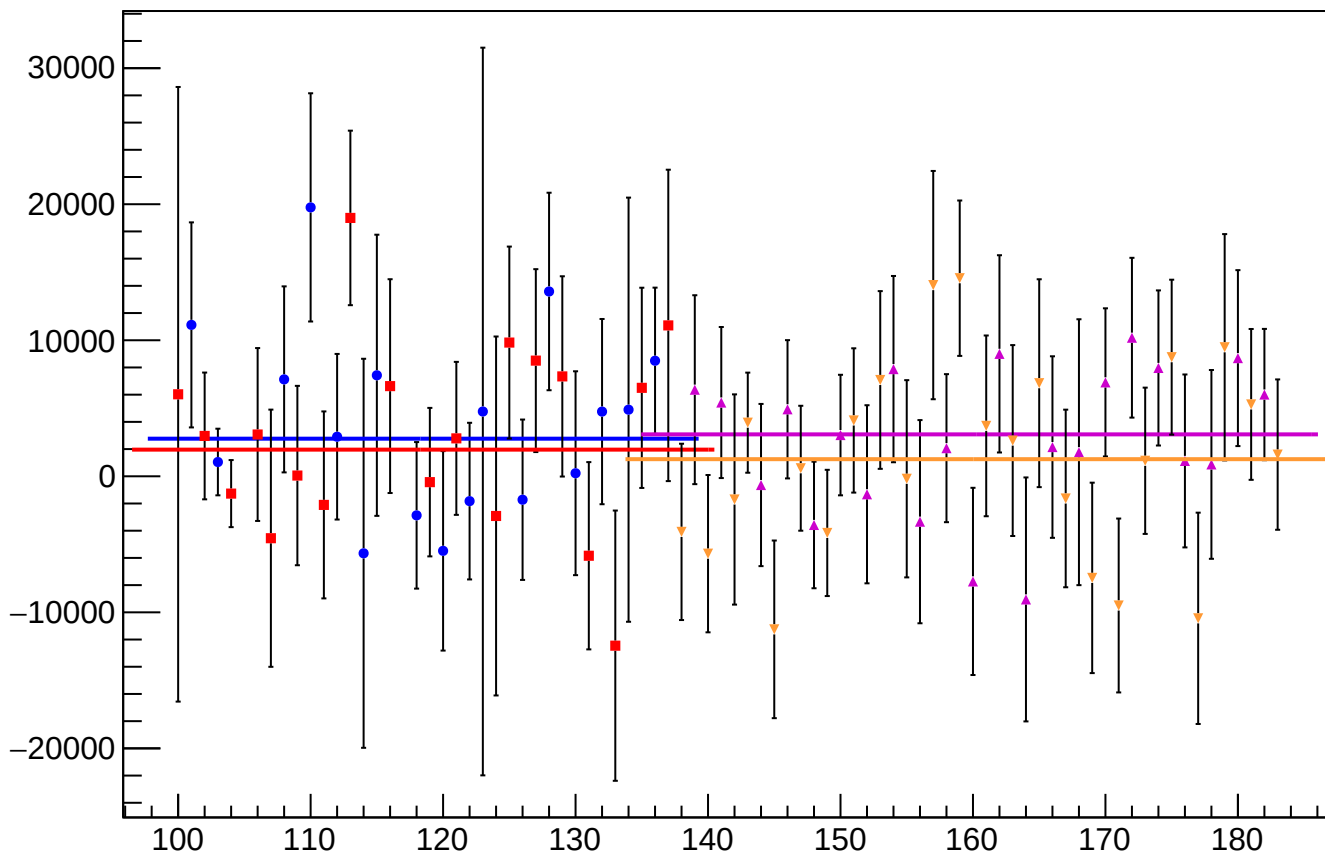
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2764.928+/-1455.950 χ^2/NDF : 13.9/16

Left Out: 1258.540+/-1217.376 χ^2/NDF : 27.5/23

Right Out: 1959.806+/-1383.928 χ^2/NDF : 17.6/18

Left In: 3081.714+/-1285.702 χ^2/NDF : 13.7/21

Left: 2120.398+/-883.983 χ^2/NDF : 42.3/45

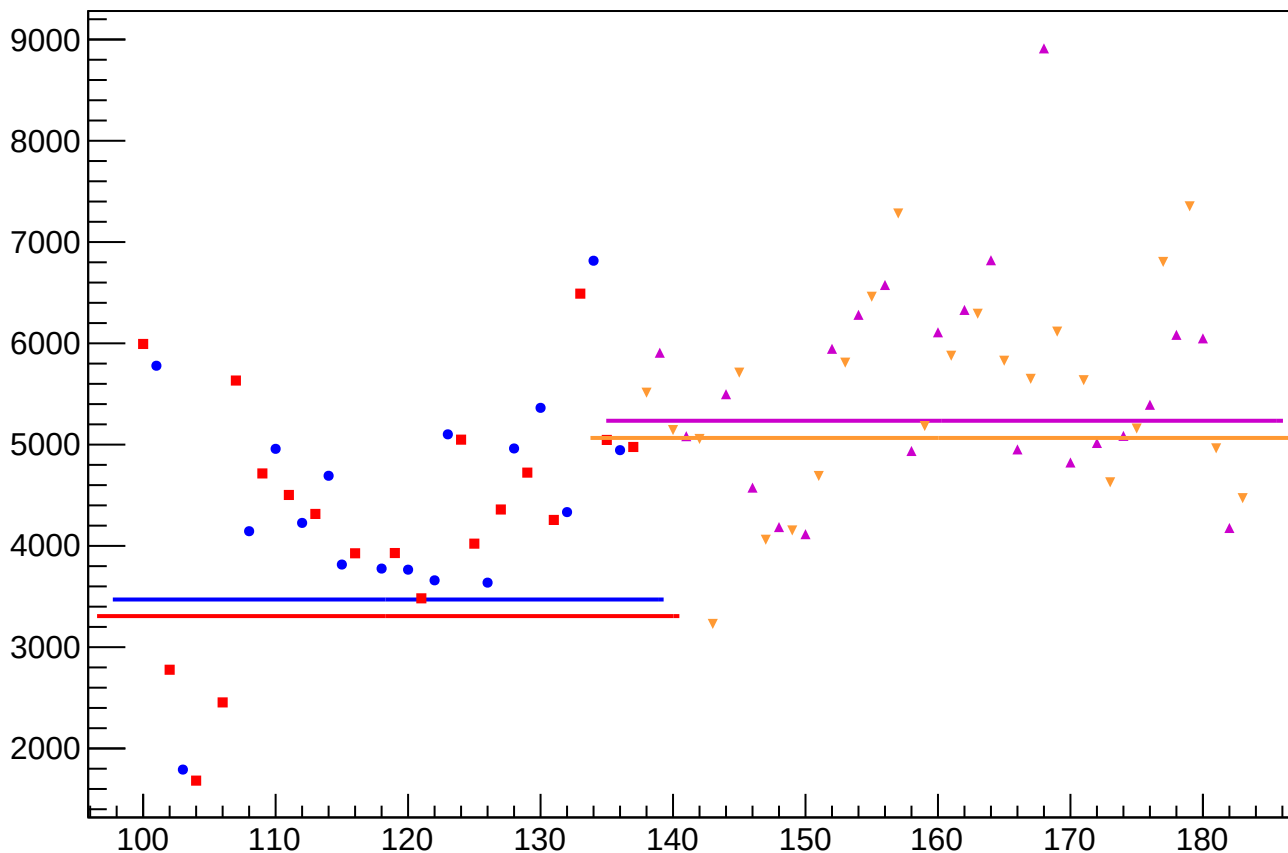
Right: 2341.962+/-1003.080 χ^2/NDF : 31.7/35

In: 2942.917+/-963.726 χ^2/NDF : 27.7/38

Out: 1564.457+/-914.058 χ^2/NDF : 45.3/42

All: 2217.252+/-663.201 χ^2/NDF : 74.0/81

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.650 $\pm$ 1.029 χ^2/NDF : 1765892.2/16

Left Out: 5065.890 $\pm$ 0.861 χ^2/NDF : 1427941.7/23

Right Out: 3306.828 $\pm$ 0.970 χ^2/NDF : 1911650.7/18

Left In: 5235.485 $\pm$ 0.909 χ^2/NDF : 1029720.5/21

Left: 5146.062 $\pm$ 0.625 χ^2/NDF : 2476011.3/45

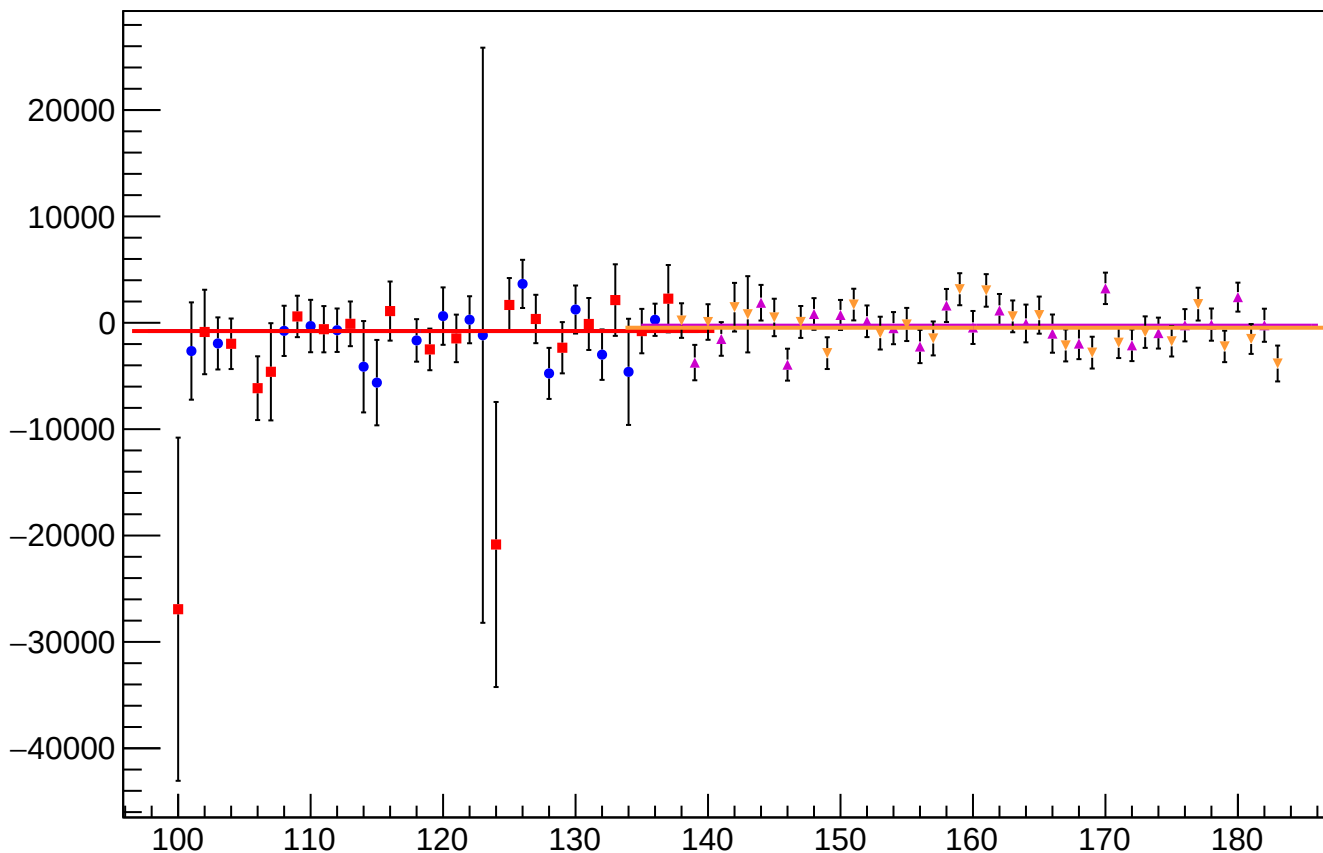
Right: 3383.837 $\pm$ 0.706 χ^2/NDF : 3690961.8/35

In: 4462.216 $\pm$ 0.681 χ^2/NDF : 4446755.5/38

Out: 4290.548 $\pm$ 0.644 χ^2/NDF : 5180173.2/42

All: 4371.500 $\pm$ 0.468 χ^2/NDF : 9660464.2/81

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -774.709 $\pm$ 605.594 χ^2 /NDF: 12.5/16

Left Out: -465.022 $\pm$ 322.849 χ^2 /NDF:32.3/23

Right Out: -776.735 $\pm$ 596.676 χ^2 /NDF: 14.3/18

Left In: -270.490 $\pm$ 326.869 χ^2 /NDF:30.5/21

Left: -368.959 $\pm$ 229.697 χ^2 /NDF: 63.0/45

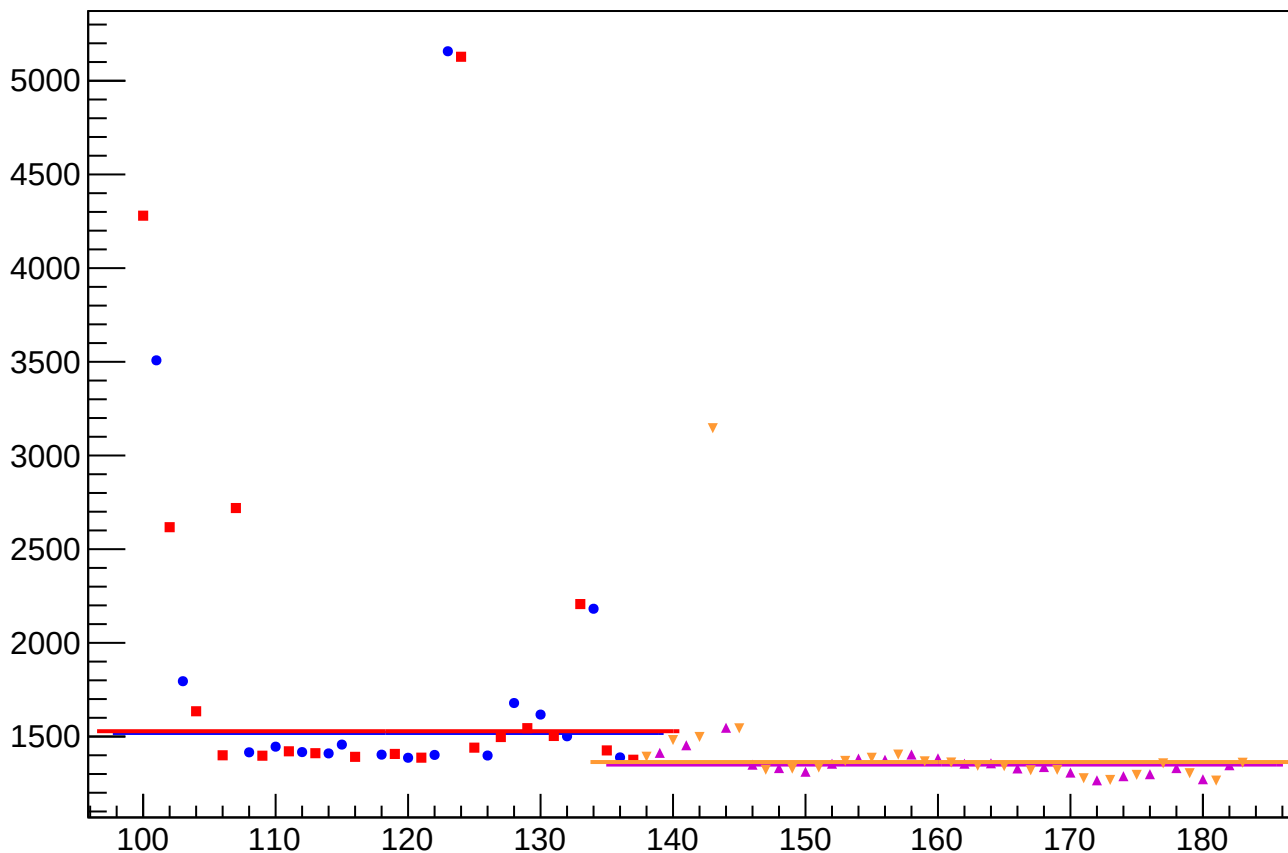
Right: -775.737 $\pm$ 425.032 χ^2 /NDF: 26.9/35

In: -384.244 $\pm$ 287.644 χ^2 /NDF:43.5/38

Out: -535.614 $\pm$ 283.948 χ^2 /NDF:46.9/42

All: -460.907 $\pm$ 202.076 χ^2 /NDF: 90.6/81

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1519.171+/-0.428 χ^2/NDF : 537680.2/16

Left Out: 1363.945+/-0.228 χ^2/NDF : 575028.4/23

Right Out: 1528.435+/-0.422 χ^2/NDF : 631166.4/18

Left In: 1350.378+/-0.231 χ^2/NDF : 66798.2/21

Left: 1357.245+/-0.162 χ^2/NDF : 643570.7/45

Right: 1523.872+/-0.301 χ^2/NDF : 1169084.1/35

In: 1388.459+/-0.203 χ^2/NDF : 724799.8/38

Out: 1401.197+/-0.201 χ^2/NDF : 1323770.3/42

All: 1394.910+/-0.143 χ^2/NDF : 2050556.6/81

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

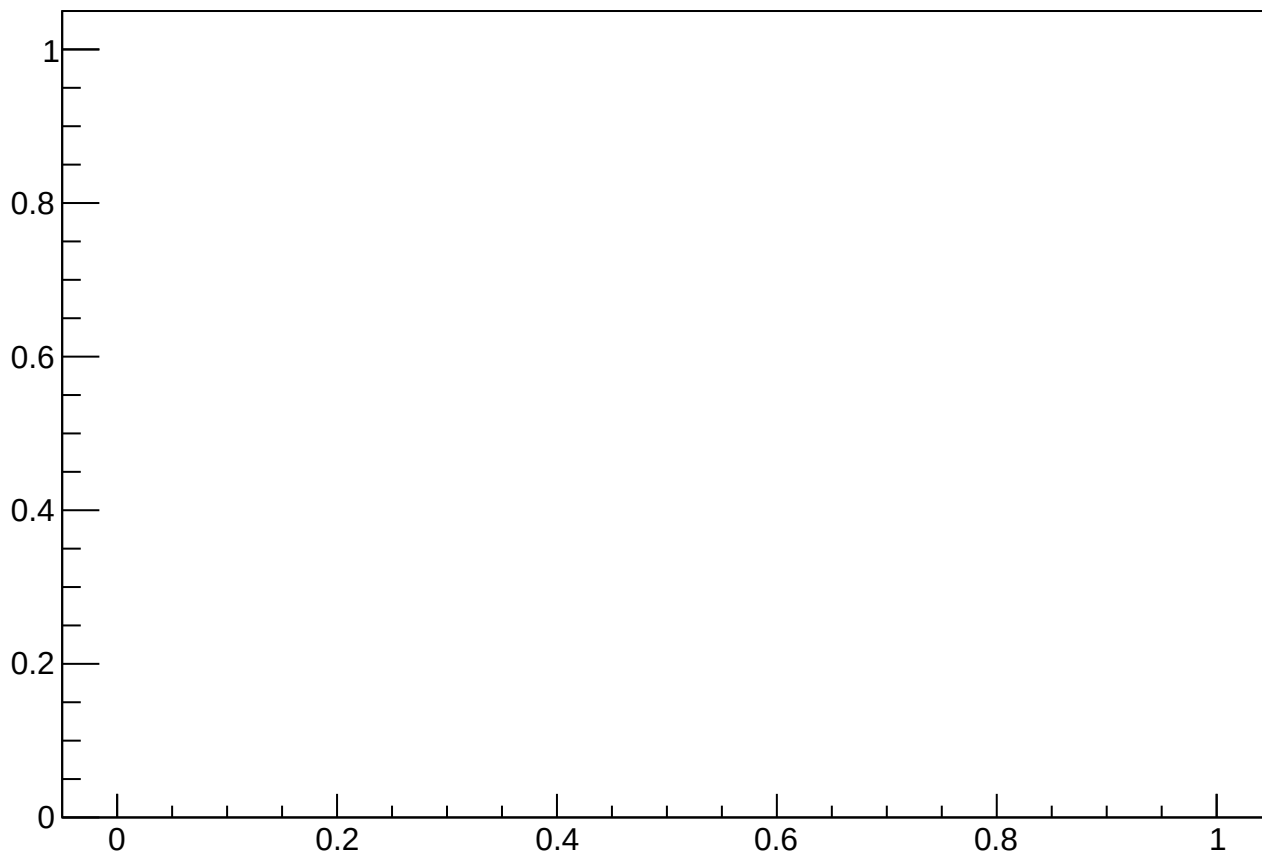
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

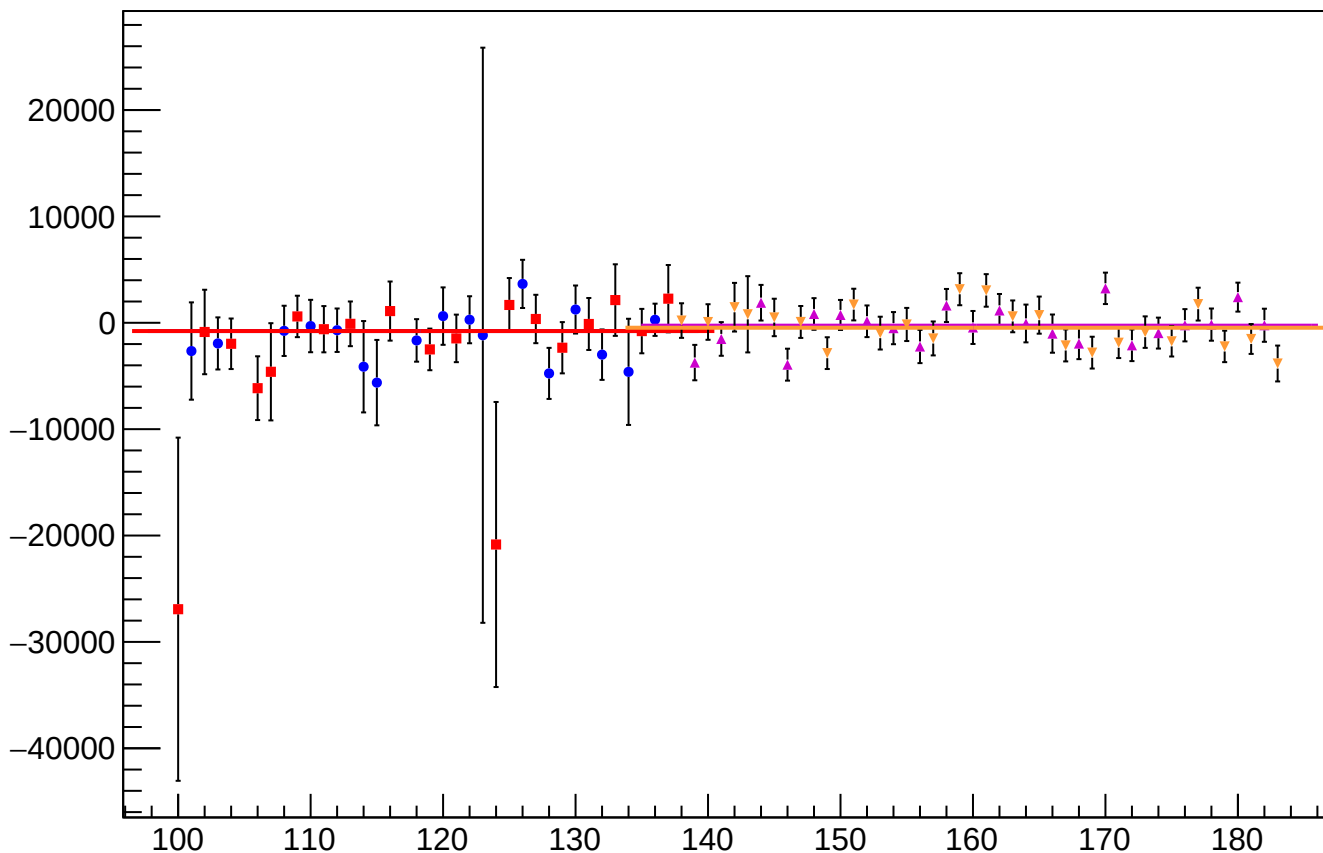
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -774.709+/-605.594 χ^2/NDF : 12.5/16

Left Out: -465.022+/-322.849 χ^2/NDF :32.3/23

Right Out: -776.735+/-596.676 χ^2/NDF : 14.3/18

Left In: -270.490+/-326.869 χ^2/NDF :30.5/21

Left: -368.959+/-229.697 χ^2/NDF : 63.0/45

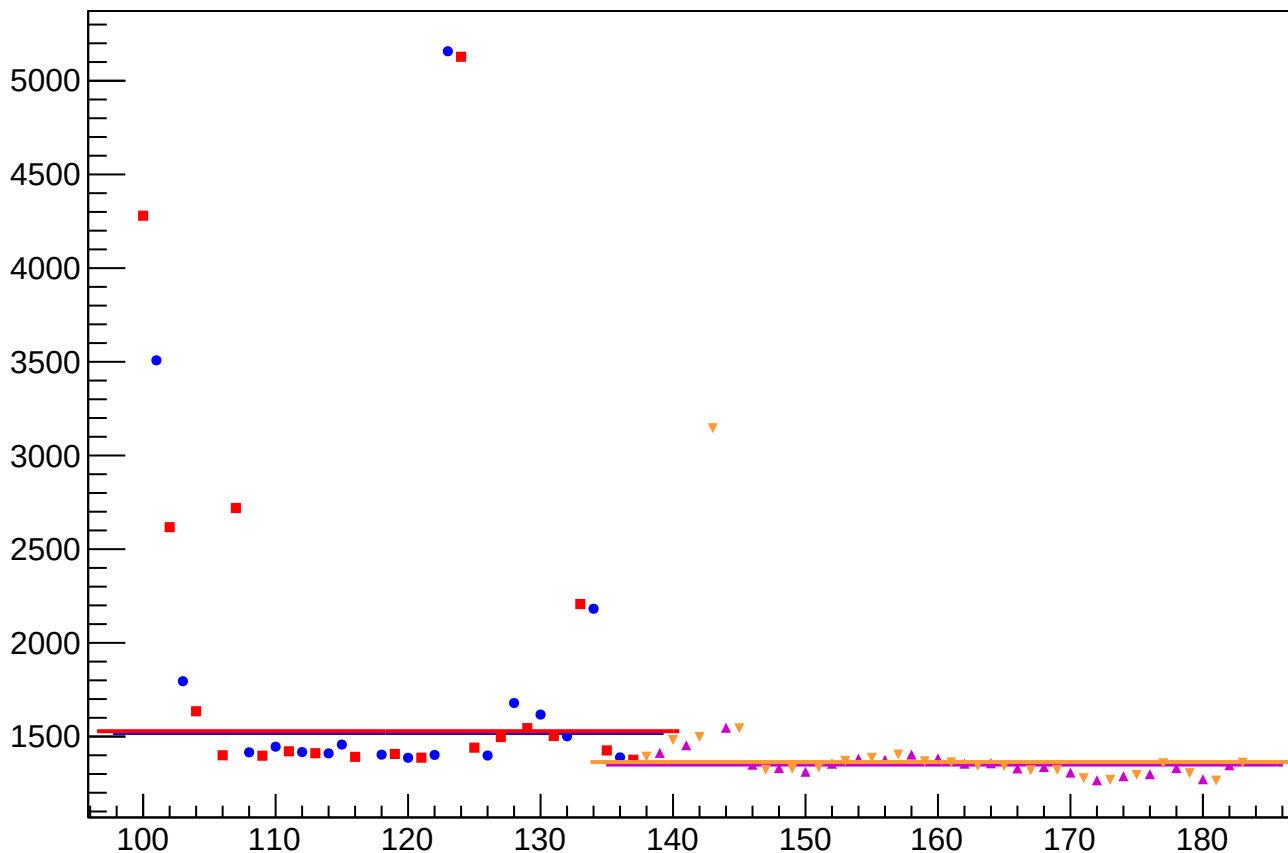
Right: -775.737+/-425.032 χ^2/NDF : 26.9/35

In: -384.244+/-287.644 χ^2/NDF :43.5/38

Out: -535.614+/-283.948 χ^2/NDF :46.9/42

All: -460.907+/-202.076 χ^2/NDF : 90.6/81

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1519.171+/-0.428 χ^2/NDF : 537680.2/16

Left Out: 1363.945+/-0.228 χ^2/NDF : 575028.4/23

Right Out: 1528.435+/-0.422 χ^2/NDF : 631166.4/18

Left In: 1350.378+/-0.231 χ^2/NDF : 66798.2/21

Left: 1357.245+/-0.162 χ^2/NDF : 643570.7/45

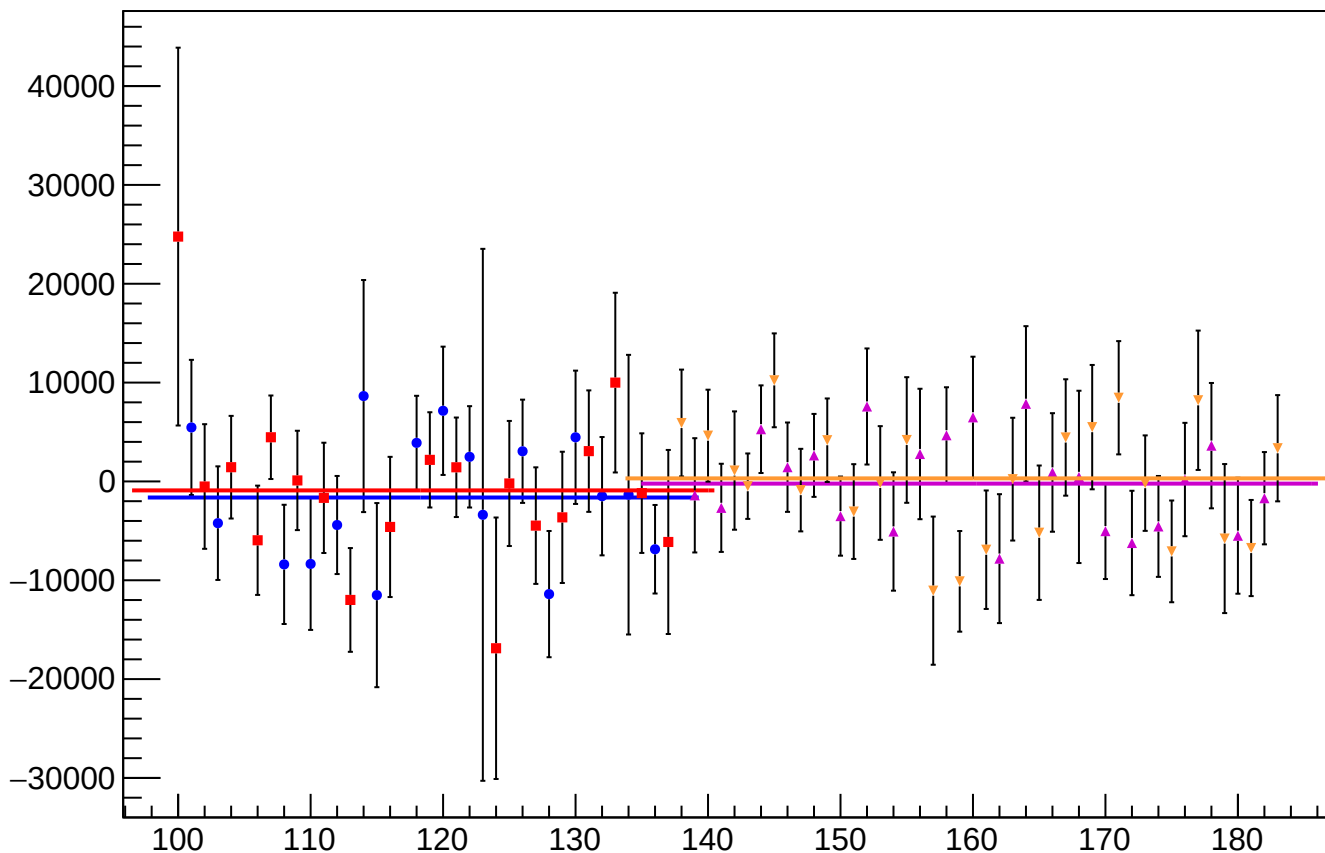
Right: 1523.872+/-0.301 χ^2/NDF : 1169084.1/35

In: 1388.459+/-0.203 χ^2/NDF : 724799.8/38

Out: 1401.197+/-0.201 χ^2/NDF : 1323770.3/42

All: 1394.910+/-0.143 χ^2/NDF : 2050556.6/81

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1626.973 $\pm$ 1517.678 χ^2 /NDF: 14.9/16

Left Out: 307.506 $\pm$ 1073.687 χ^2 /NDF:26.4/23

Right Out: -908.006 $\pm$ 1381.849 χ^2 /NDF: 14.1/18

Left In: -221.972 $\pm$ 1135.417 χ^2 /NDF:14.7/21

Left: 57.551 $\pm$ 780.122 χ^2 /NDF: 41.2/45

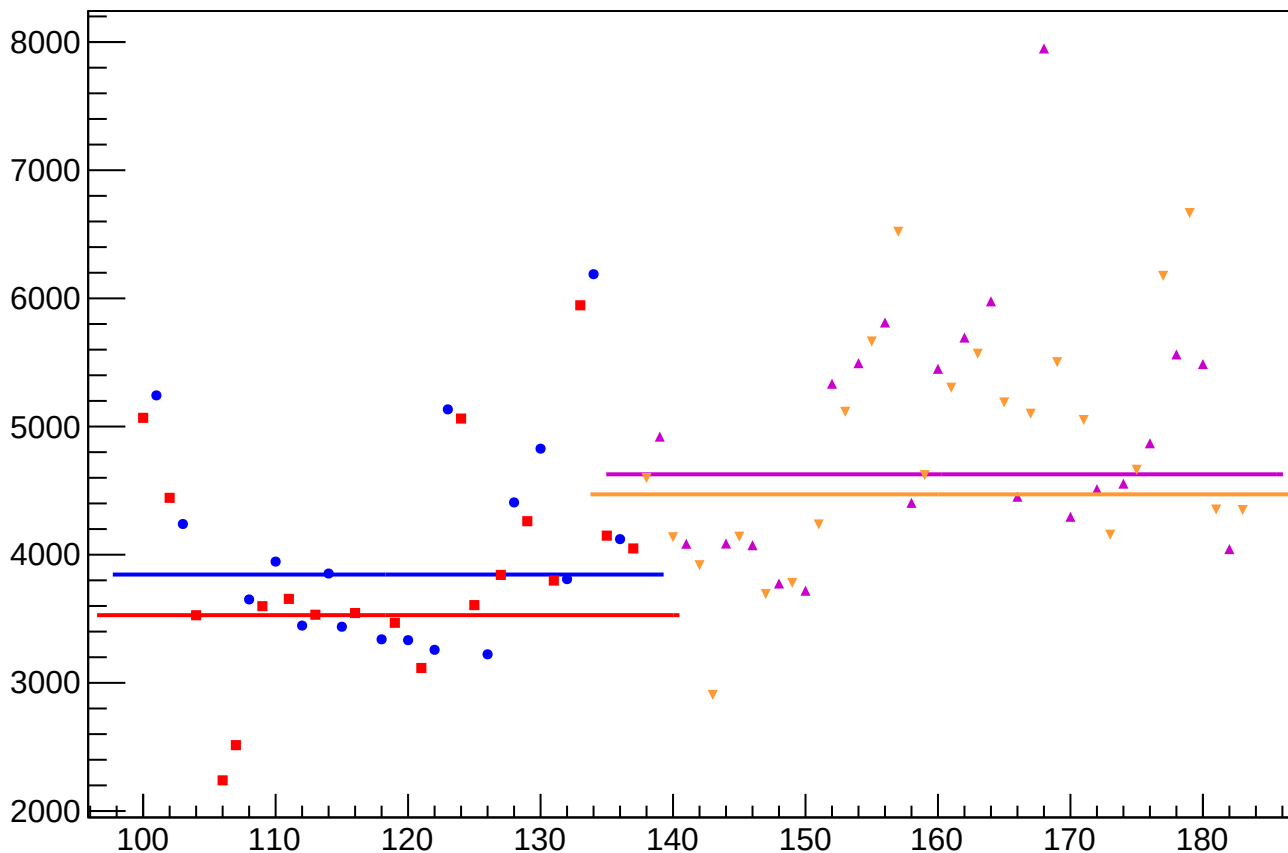
Right: -1233.883 $\pm$ 1021.768 χ^2 /NDF: 29.1/35

In: -726.155 $\pm$ 909.150 χ^2 /NDF:30.2/38

Out: -150.072 $\pm$ 847.840 χ^2 /NDF:40.9/42

All: -418.036 $\pm$ 620.056 χ^2 /NDF: 71.3/81

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3845.187 $\pm$ 1.073 χ^2 /NDF: 326944.8/16

Left Out: 4470.942 $\pm$ 0.759 χ^2 /NDF:1379927.2/23

Right Out: 3528.231 $\pm$ 0.968 χ^2 /NDF: 556307.5/18

Left In: 4627.265 $\pm$ 0.803 χ^2 /NDF:992212.6/21

Left: 4544.739 $\pm$ 0.552 χ^2 /NDF: 2392153.6/45

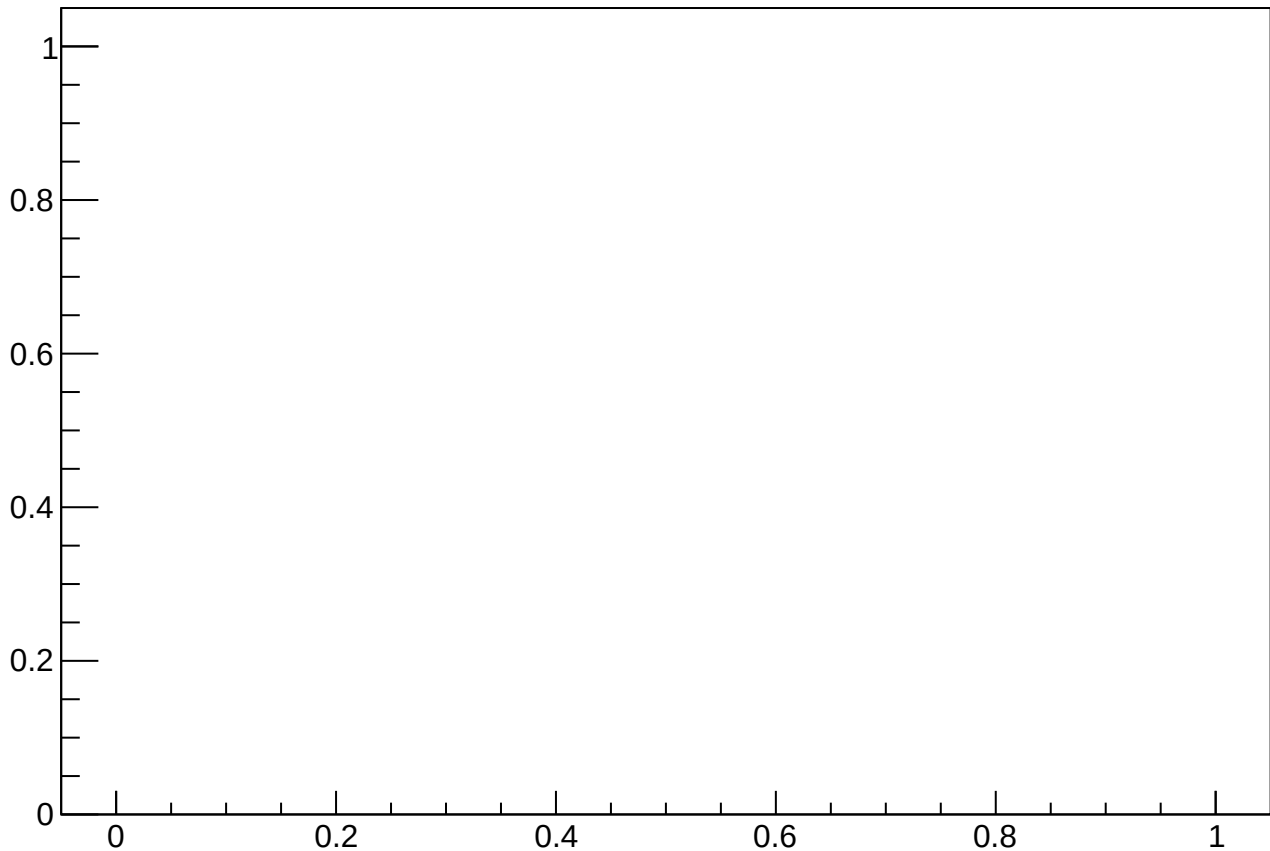
Right: 3670.458 $\pm$ 0.719 χ^2 /NDF: 931342.4/35

In: 4346.607 $\pm$ 0.643 χ^2 /NDF:1659680.4/38

Out: 4111.992 $\pm$ 0.597 χ^2 /NDF:2523301.4/42

All: 4220.719 $\pm$ 0.438 χ^2 /NDF: 4254449.3/81

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

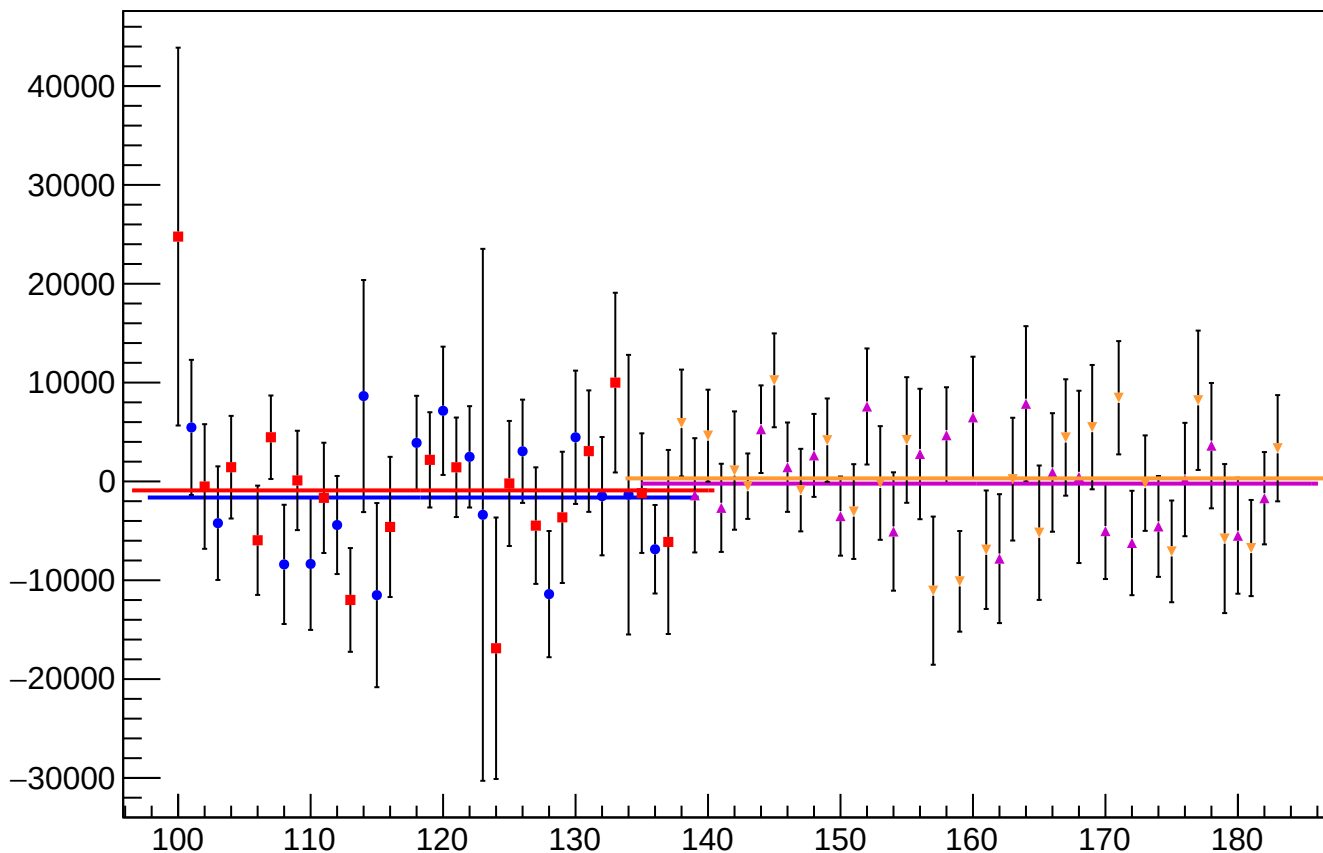
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1626.973 $\pm$ 1517.678 χ^2 /NDF: 14.9/16

Left Out: 307.506 $\pm$ 1073.687 χ^2 /NDF:26.4/23

Right Out: -908.006 $\pm$ 1381.849 χ^2 /NDF: 14.1/18

Left In: -221.972 $\pm$ 1135.417 χ^2 /NDF:14.7/21

Left: 57.551 $\pm$ 780.122 χ^2 /NDF: 41.2/45

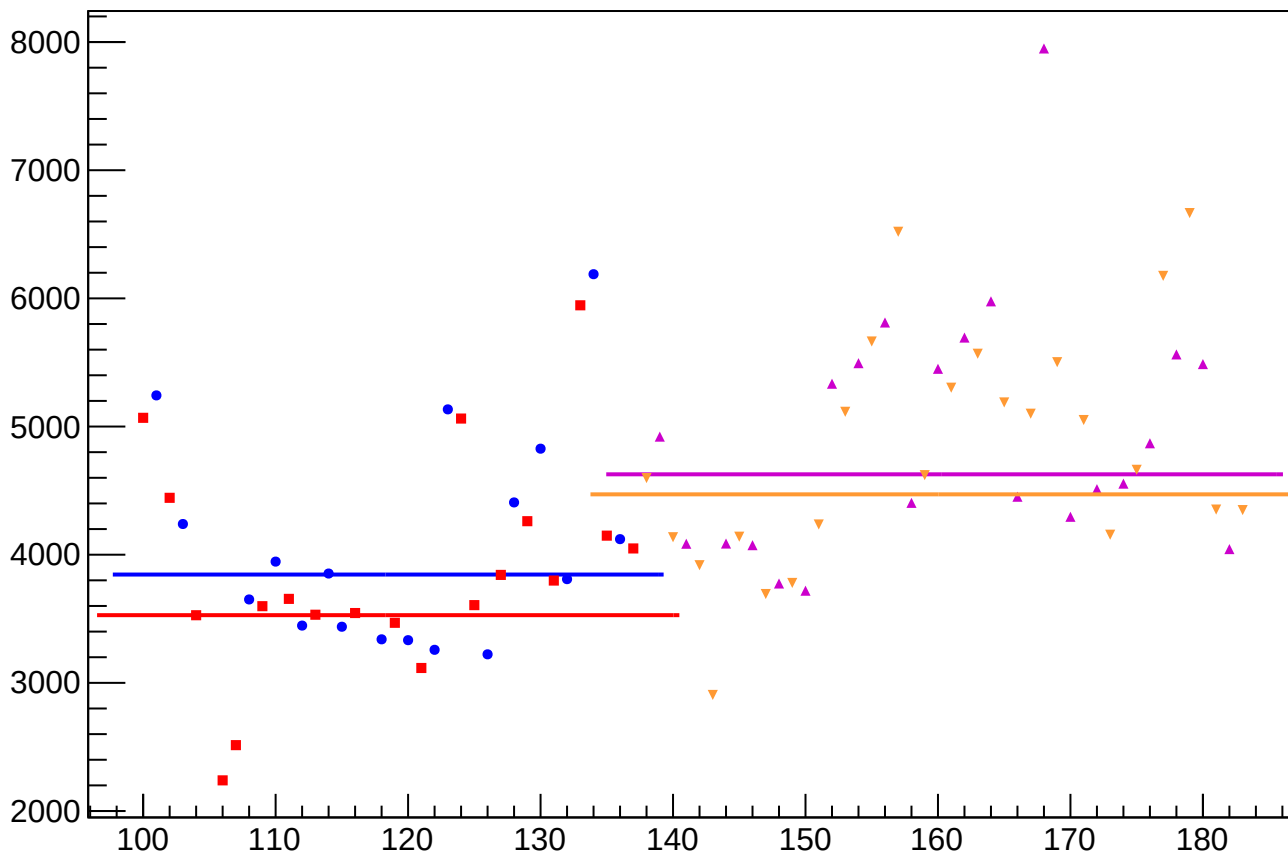
Right: -1233.883 $\pm$ 1021.768 χ^2 /NDF: 29.1/35

In: -726.155 $\pm$ 909.150 χ^2 /NDF:30.2/38

Out: -150.072 $\pm$ 847.840 χ^2 /NDF:40.9/42

All: -418.036 $\pm$ 620.056 χ^2 /NDF: 71.3/81

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3845.187 $\pm$ 1.073 χ^2 /NDF: 326944.8/16

Left Out: 4470.942 $\pm$ 0.759 χ^2 /NDF:1379927.2/23

Right Out: 3528.231 $\pm$ 0.968 χ^2 /NDF: 556307.5/18

Left In: 4627.265 $\pm$ 0.803 χ^2 /NDF:992212.6/21

Left: 4544.739 $\pm$ 0.552 χ^2 /NDF: 2392153.6/45

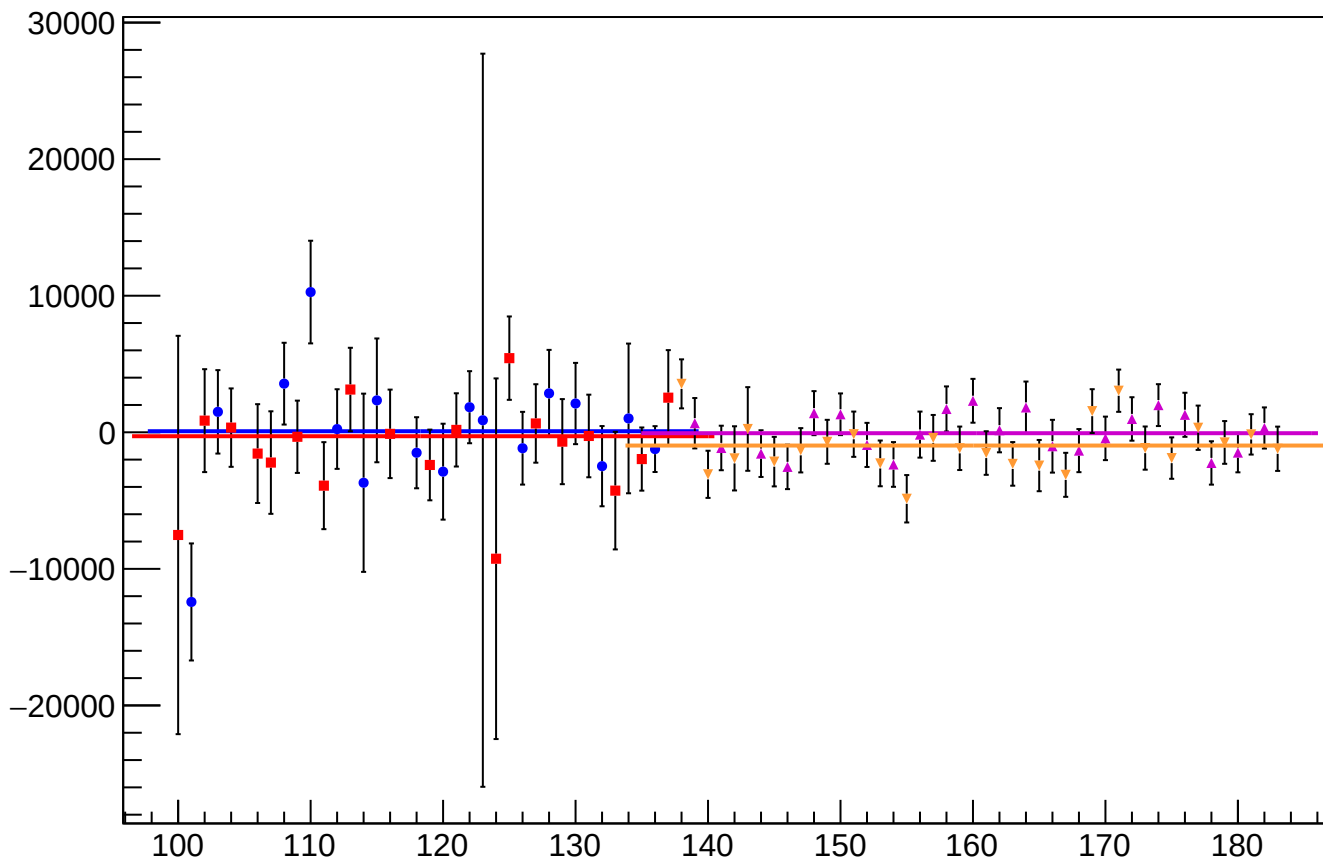
Right: 3670.458 $\pm$ 0.719 χ^2 /NDF: 931342.4/35

In: 4346.607 $\pm$ 0.643 χ^2 /NDF:1659680.4/38

Out: 4111.992 $\pm$ 0.597 χ^2 /NDF:2523301.4/42

All: 4220.719 $\pm$ 0.438 χ^2 /NDF: 4254449.3/81

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 78.213+/-752.844 χ^2/NDF : 22.4/16

Left Out: -970.473+/-342.445 χ^2/NDF : 28.5/23

Right Out: -287.747+/-736.056 χ^2/NDF : 10.1/18

Left In: -66.529+/-346.847 χ^2/NDF : 18.7/21

Left: -524.274+/-243.687 χ^2/NDF : 50.6/45

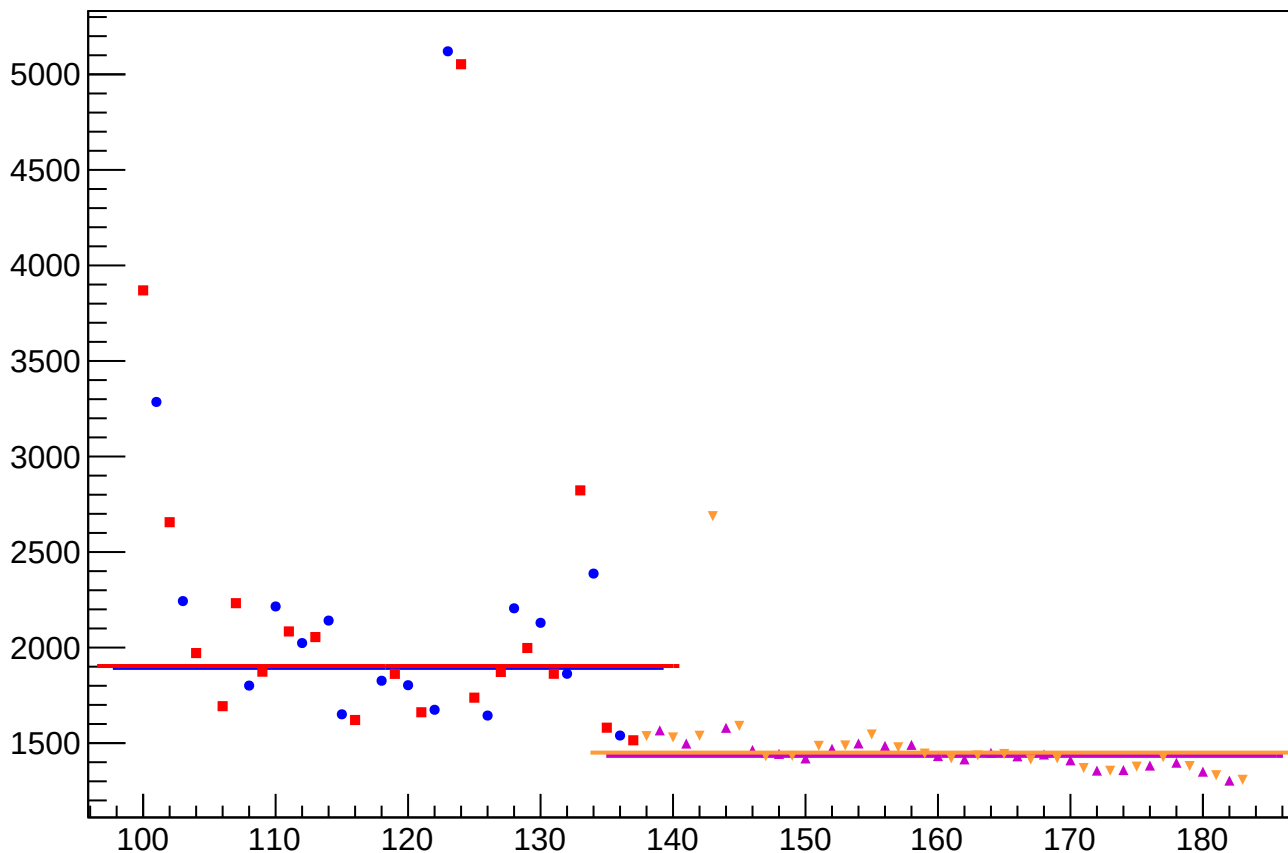
Right: -108.893+/-526.306 χ^2/NDF : 32.6/35

In: -41.186+/-315.022 χ^2/NDF : 41.1/38

Out: -848.991+/-310.487 χ^2/NDF : 39.3/42

All: -450.944+/-221.133 χ^2/NDF : 83.7/81

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1450.282 $\pm$ 0.242 χ^2 /NDF: 411854.2/23

Right Out: 1903.476 $\pm$ 0.520 χ^2 /NDF: 460230.4/18

Left In: 1433.177 $\pm$ 0.245 χ^2 /NDF: 72434.2/21

Left: 1441.839 $\pm$ 0.172 χ^2 /NDF: 486751.5/45

Right: 1898.746 $\pm$ 0.372 χ^2 /NDF: 926846.7/35

In: 1513.830 $\pm$ 0.223 χ^2 /NDF: 1156491.0/38

Out: 1530.924 $\pm$ 0.220 χ^2 /NDF: 1495377.5/42

All: 1522.501 $\pm$ 0.156 χ^2 /NDF: 2654855.8/81

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

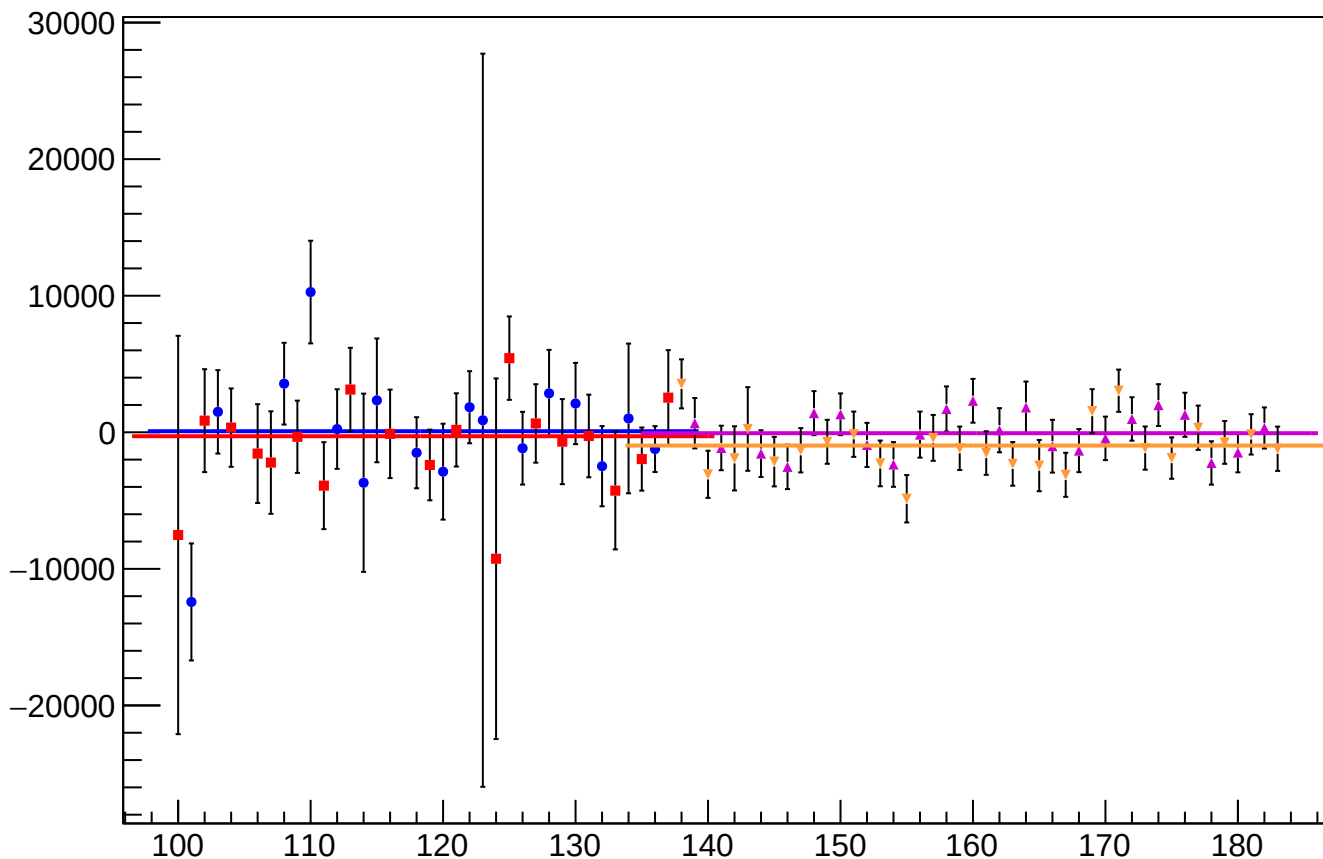
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 78.213+/-752.844 χ^2/NDF : 22.4/16

Left Out: -970.473+/-342.445 χ^2/NDF : 28.5/23

Right Out: -287.747+/-736.056 χ^2/NDF : 10.1/18

Left In: -66.529+/-346.847 χ^2/NDF : 18.7/21

Left: -524.274+/-243.687 χ^2/NDF : 50.6/45

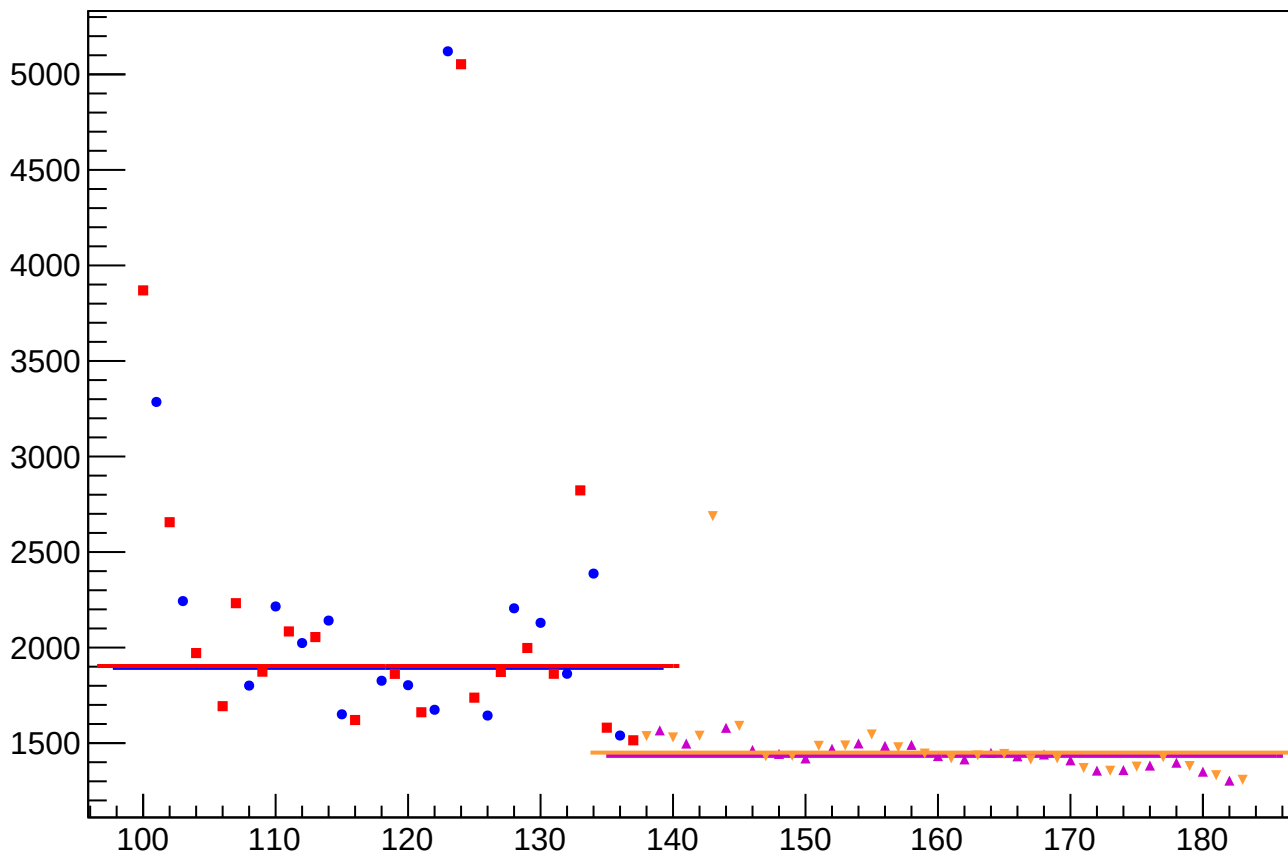
Right: -108.893+/-526.306 χ^2/NDF : 32.6/35

In: -41.186+/-315.022 χ^2/NDF : 41.1/38

Out: -848.991+/-310.487 χ^2/NDF : 39.3/42

All: -450.944+/-221.133 χ^2/NDF : 83.7/81

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1450.282 $\pm$ 0.242 χ^2 /NDF: 411854.2/23

Right Out: 1903.476 $\pm$ 0.520 χ^2 /NDF: 460230.4/18

Left In: 1433.177 $\pm$ 0.245 χ^2 /NDF: 72434.2/21

Left: 1441.839 $\pm$ 0.172 χ^2 /NDF: 486751.5/45

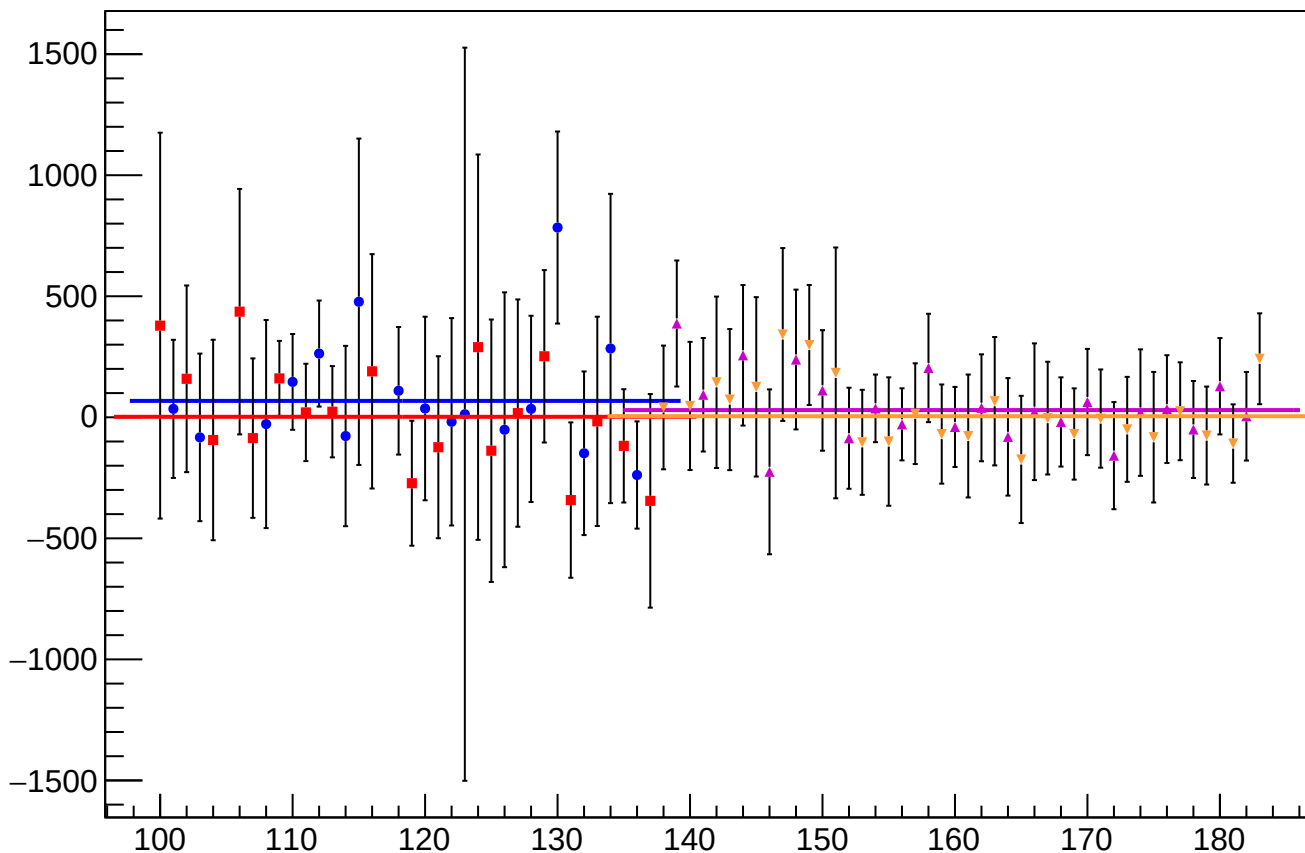
Right: 1898.746 $\pm$ 0.372 χ^2 /NDF: 926846.7/35

In: 1513.830 $\pm$ 0.223 χ^2 /NDF: 1156491.0/38

Out: 1530.924 $\pm$ 0.220 χ^2 /NDF: 1495377.5/42

All: 1522.501 $\pm$ 0.156 χ^2 /NDF: 2654855.8/81

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.747 $\pm$ 79.837 χ^2 /NDF: 7.5/16

Left Out: 4.432 $\pm$ 48.091 χ^2 /NDF:6.5/23

Right Out: 2.060 $\pm$ 70.020 χ^2 /NDF: 6.4/18

Left In: 29.776 $\pm$ 45.043 χ^2 /NDF:6.5/21

Left: 17.933 $\pm$ 32.875 χ^2 /NDF: 13.1/45

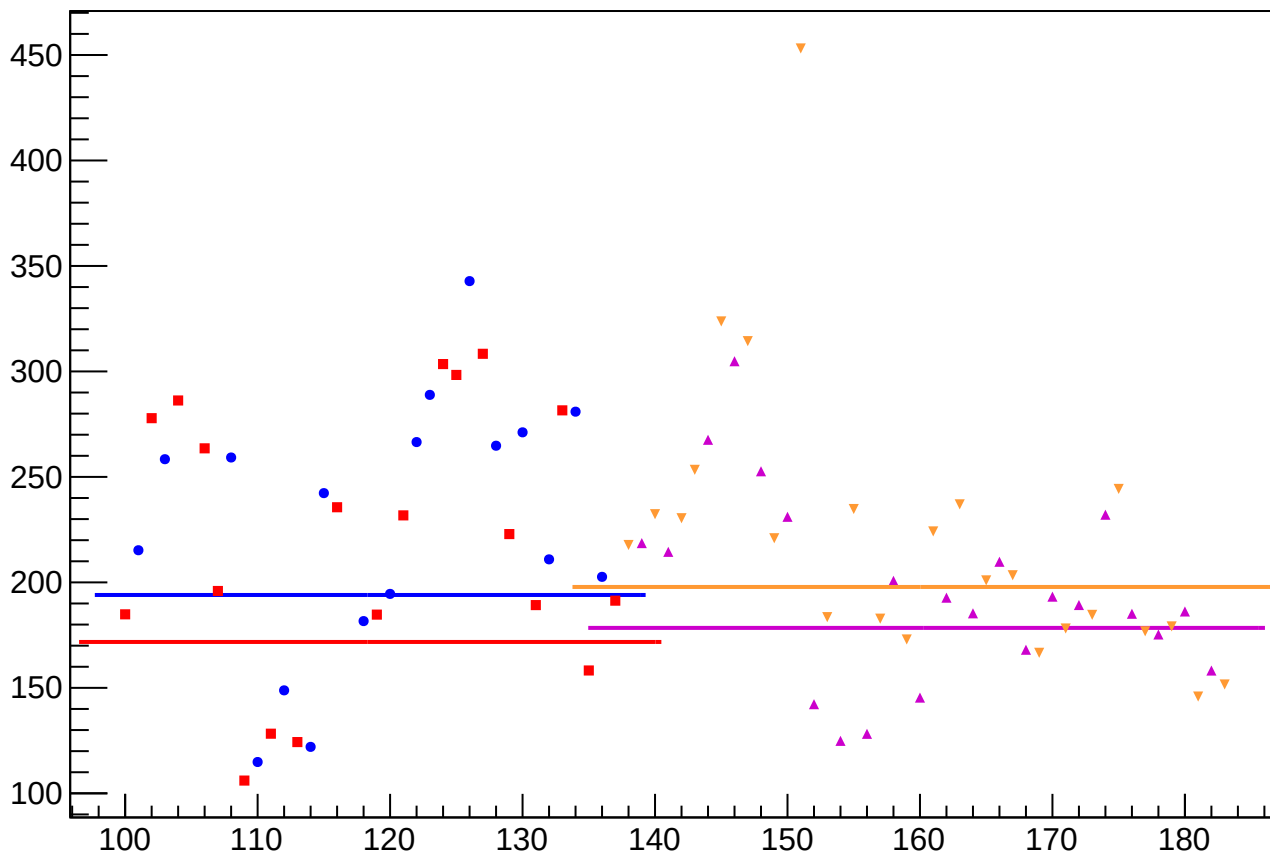
Right: 30.619 $\pm$ 52.642 χ^2 /NDF: 14.4/35

In: 38.945 $\pm$ 39.230 χ^2 /NDF:14.2/38

Out: 3.672 $\pm$ 39.642 χ^2 /NDF:12.9/42

All: 21.492 $\pm$ 27.884 χ^2 /NDF: 27.5/81

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.032 $\pm$ 0.056 χ^2 /NDF: 1011944.3/16

Left Out: 197.831 $\pm$ 0.034 χ^2 /NDF: 1742760.0/23

Right Out: 171.760 $\pm$ 0.050 χ^2 /NDF: 1571617.5/18

Left In: 178.426 $\pm$ 0.032 χ^2 /NDF: 1631187.0/21

Left: 187.494 $\pm$ 0.023 χ^2 /NDF: 3547420.0/45

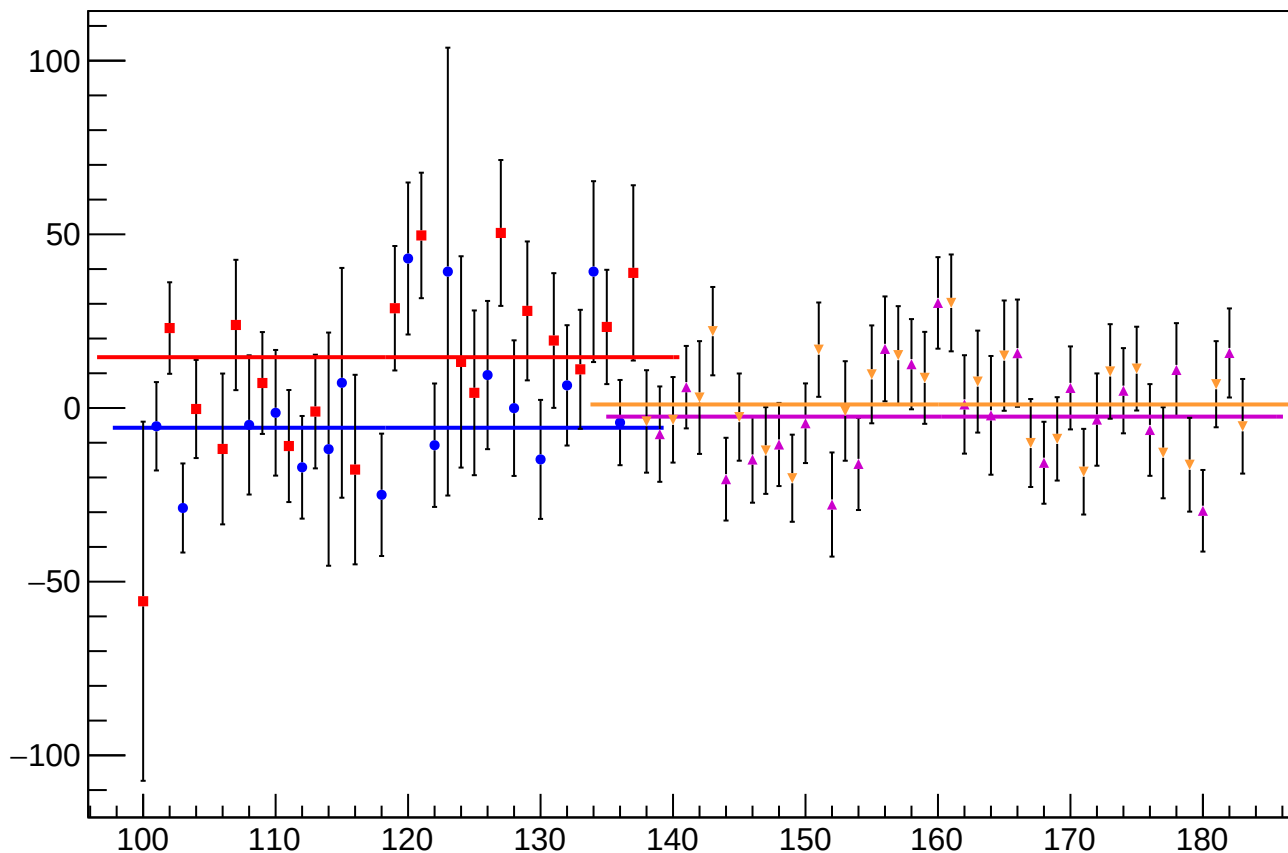
Right: 181.444 $\pm$ 0.037 χ^2 /NDF: 2671535.4/35

In: 182.194 $\pm$ 0.028 χ^2 /NDF: 2701102.2/38

Out: 189.475 $\pm$ 0.028 χ^2 /NDF: 3502774.1/42

All: 185.797 $\pm$ 0.020 χ^2 /NDF: 6237963.8/81

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.687 ± 4.361 χ^2/NDF : 15.2/16

Left Out: 1.020 ± 2.719 χ^2/NDF : 23.9/23

Right Out: 14.630 ± 4.271 χ^2/NDF : 19.4/18

Left In: -2.484 ± 2.770 χ^2/NDF : 29.5/21

Left: -0.700 ± 1.940 χ^2/NDF : 54.2/45

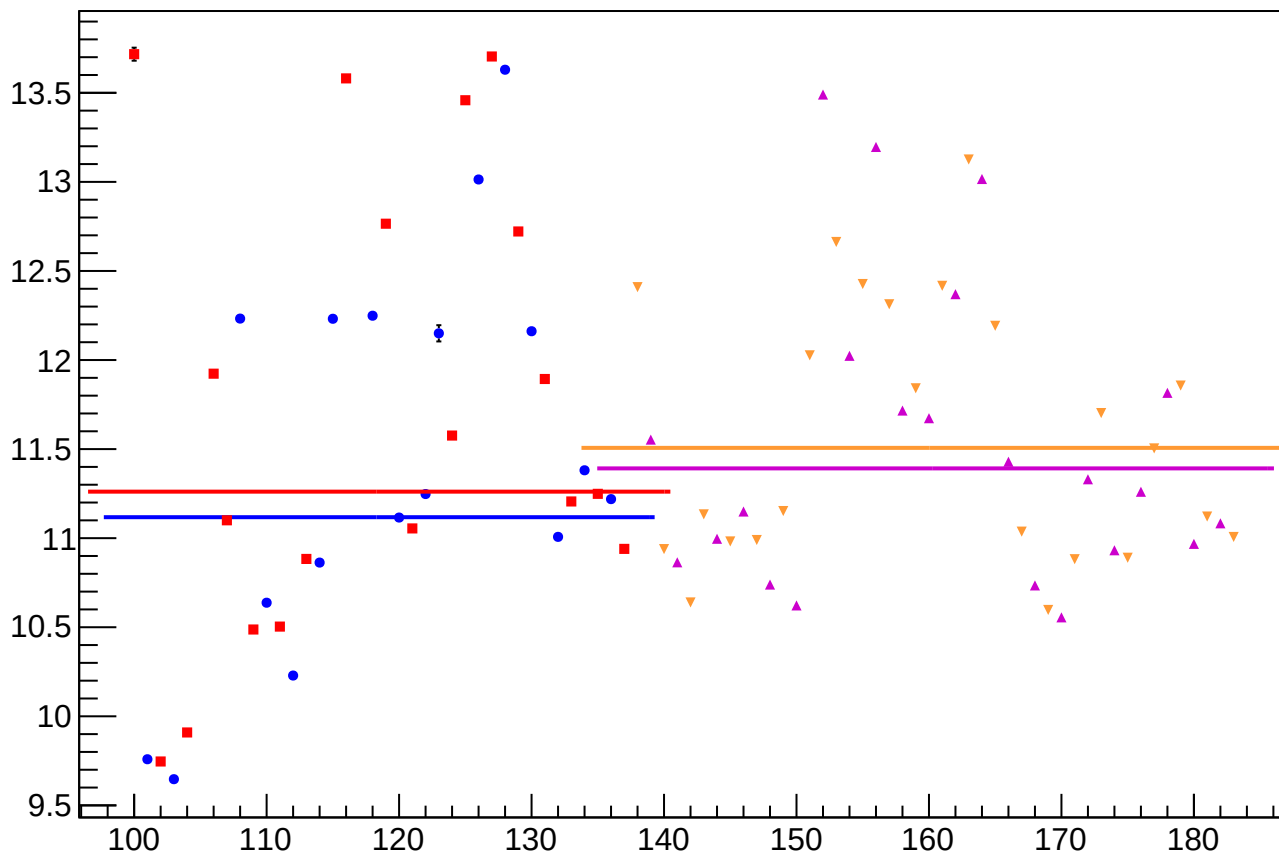
Right: 4.683 ± 3.052 χ^2/NDF : 45.7/35

In: -3.405 ± 2.338 χ^2/NDF : 45.1/38

Out: 4.943 ± 2.293 χ^2/NDF : 50.5/42

All: 0.850 ± 1.637 χ^2/NDF : 102.1/81

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.118 $\pm$ 0.003 χ^2/NDF : 131951.0/16

Left Out: 11.507 $\pm$ 0.002 χ^2/NDF : 127545.2/23

Right Out: 11.261 $\pm$ 0.003 χ^2/NDF : 148698.3/18

Left In: 11.392 $\pm$ 0.002 χ^2/NDF : 148956.5/21

Left: 11.450 $\pm$ 0.001 χ^2/NDF : 278265.7/45

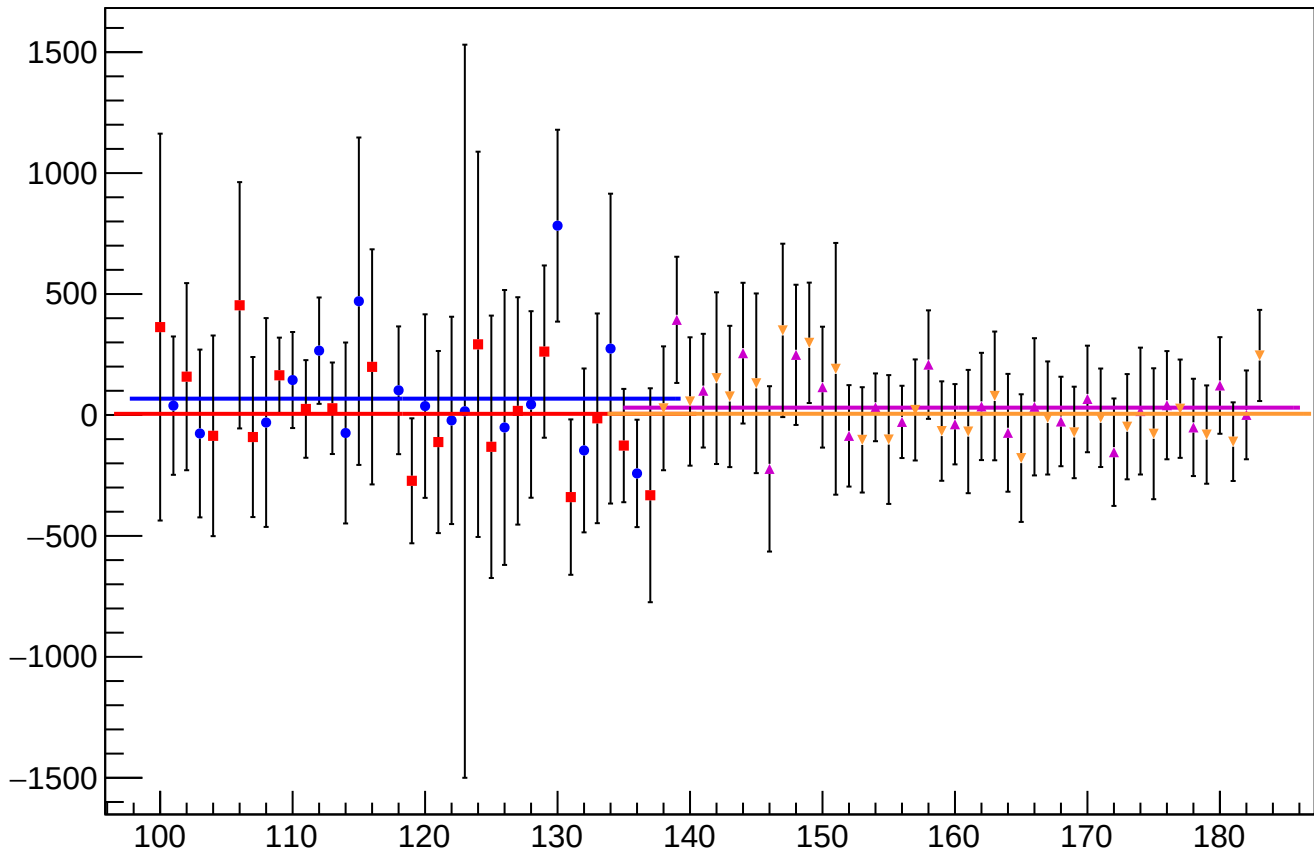
Right: 11.191 $\pm$ 0.002 χ^2/NDF : 281753.5/35

In: 11.313 $\pm$ 0.002 χ^2/NDF : 286531.3/38

Out: 11.436 $\pm$ 0.002 χ^2/NDF : 280956.3/42

All: 11.376 $\pm$ 0.001 χ^2/NDF : 570315.0/81

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.460 $\pm$ 80.048 χ^2 /NDF: 7.5/16

Left Out: 4.934 $\pm$ 48.270 χ^2 /NDF:6.7/23

Right Out: 4.719 $\pm$ 70.224 χ^2 /NDF: 6.5/18

Left In: 30.285 $\pm$ 45.203 χ^2 /NDF:6.5/21

Left: 18.440 $\pm$ 32.994 χ^2 /NDF: 13.3/45

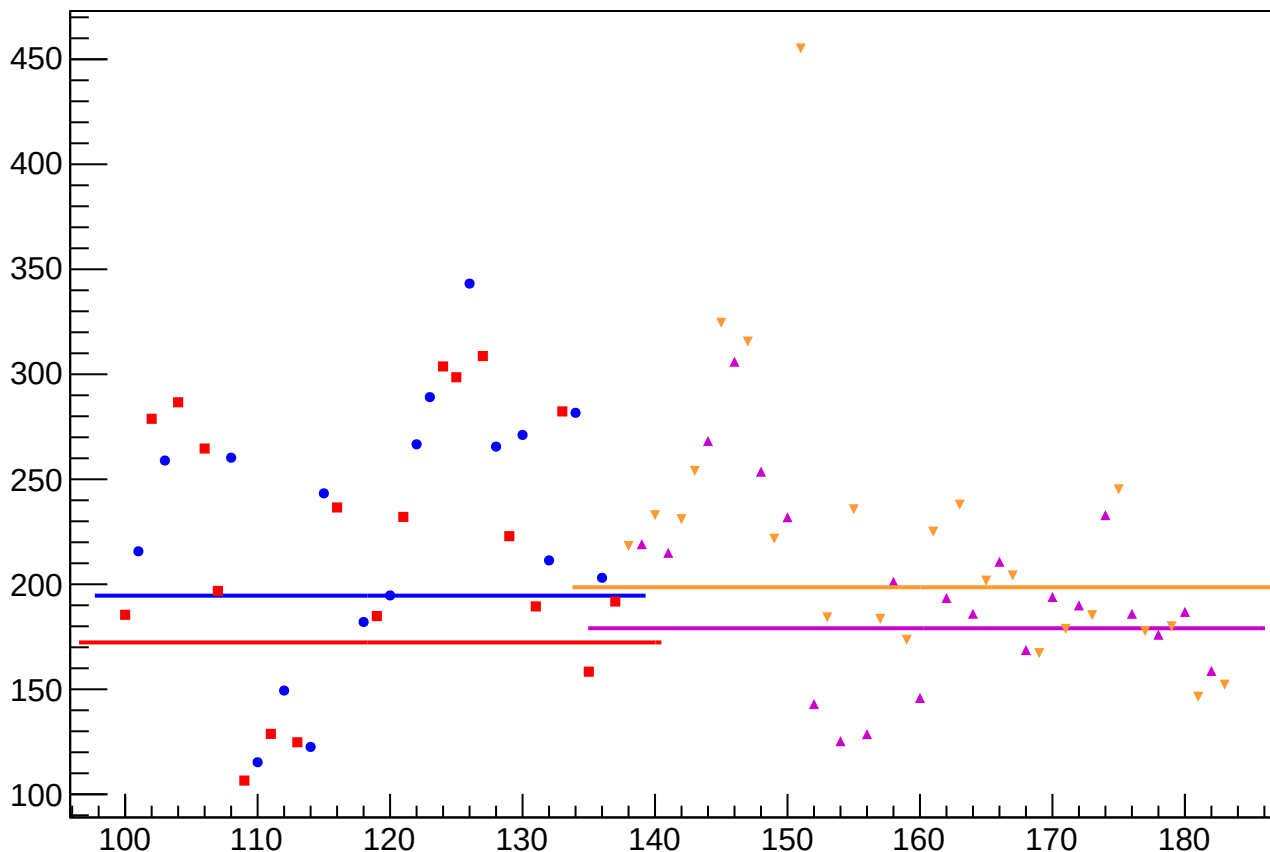
Right: 32.005 $\pm$ 52.789 χ^2 /NDF: 14.4/35

In: 39.273 $\pm$ 39.361 χ^2 /NDF:14.2/38

Out: 4.865 $\pm$ 39.779 χ^2 /NDF:13.2/42

All: 22.251 $\pm$ 27.979 χ^2 /NDF: 27.7/81

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.582+/-0.057 χ^2/NDF : 1006984.2/16

Left Out: 198.571+/-0.034 χ^2/NDF :1740132.1/23

Right Out: 172.312+/-0.050 χ^2/NDF : 1564323.1/18

Left In: 179.061+/-0.032 χ^2/NDF :1629433.9/21

Left: 188.177+/-0.023 χ^2/NDF : 3543631.4/45

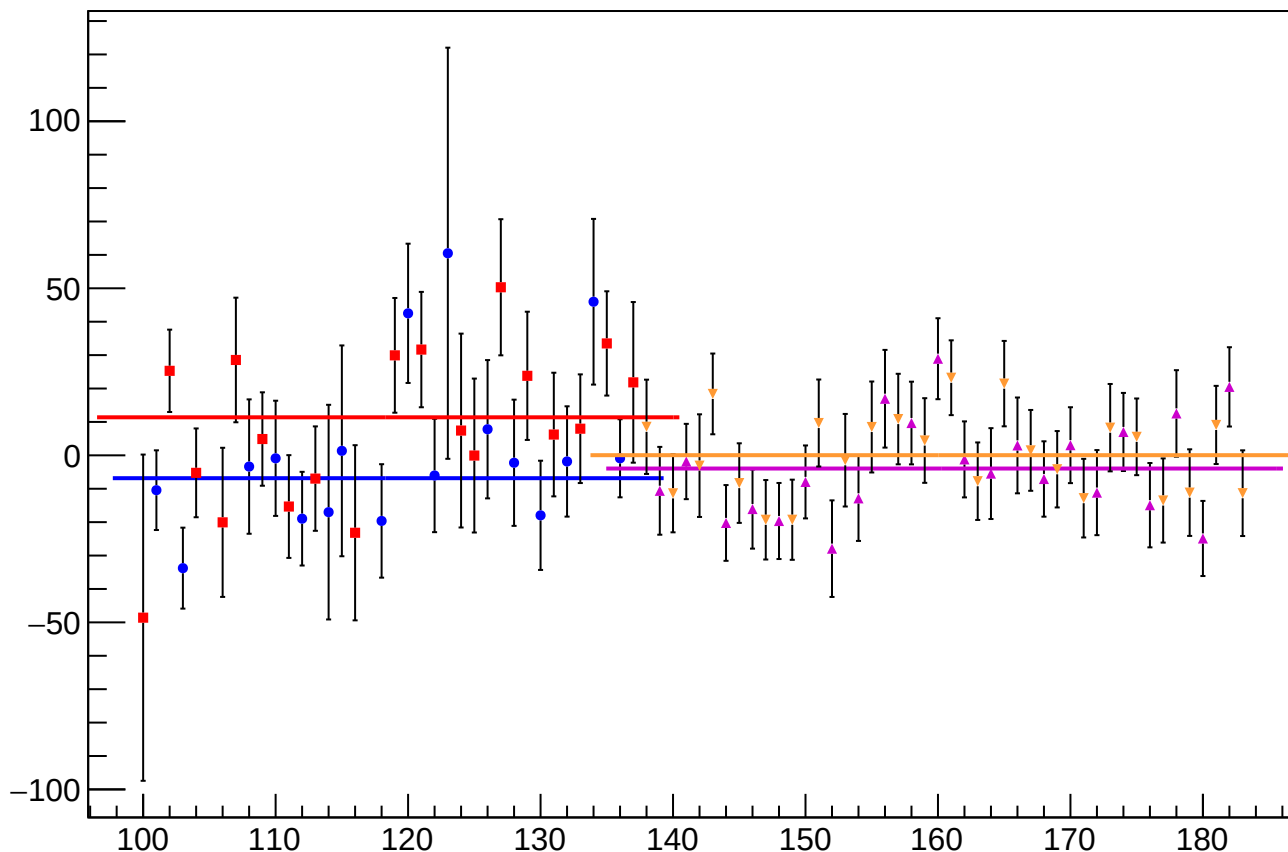
Right: 181.998+/-0.037 χ^2/NDF : 2658784.2/35

In: 182.814+/-0.028 χ^2/NDF :2693431.2/38

Out: 190.145+/-0.028 χ^2/NDF :3494361.8/42

All: 186.441+/-0.020 χ^2/NDF : 6222118.0/81

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.841 ± 4.162 $\chi^2/\text{NDF}: 19.4/16$

Left Out: 0.045 ± 2.540 $\chi^2/\text{NDF}: 23.9/23$

Right Out: 11.383 ± 4.086 $\chi^2/\text{NDF}: 22.7/18$

Left In: -3.949 ± 2.600 $\chi^2/\text{NDF}: 31.3/21$

Left: -1.906 ± 1.817 $\chi^2/\text{NDF}: 56.4/45$

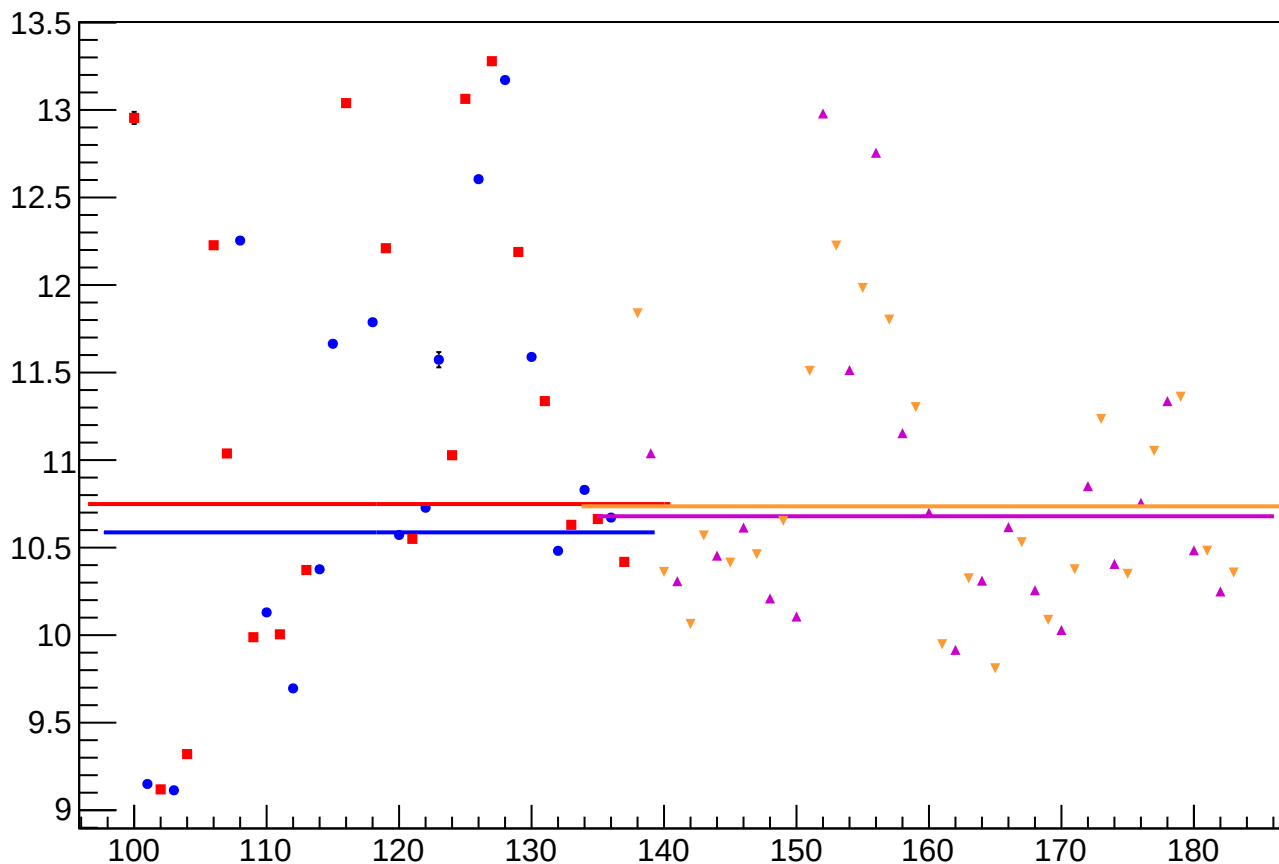
Right: 2.439 ± 2.915 $\chi^2/\text{NDF}: 51.9/35$

In: -4.761 ± 2.205 $\chi^2/\text{NDF}: 51.1/38$

Out: 3.206 ± 2.157 $\chi^2/\text{NDF}: 52.2/42$

All: -0.690 ± 1.542 $\chi^2/\text{NDF}: 109.9/81$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.587 $\pm$ 0.003 χ^2 /NDF: 159222.7/16

Left Out: 10.736 $\pm$ 0.002 χ^2 /NDF:129999.3/23

Right Out: 10.749 $\pm$ 0.003 χ^2 /NDF: 178183.6/18

Left In: 10.679 $\pm$ 0.002 χ^2 /NDF:145711.9/21

Left: 10.708 $\pm$ 0.001 χ^2 /NDF: 276200.2/45

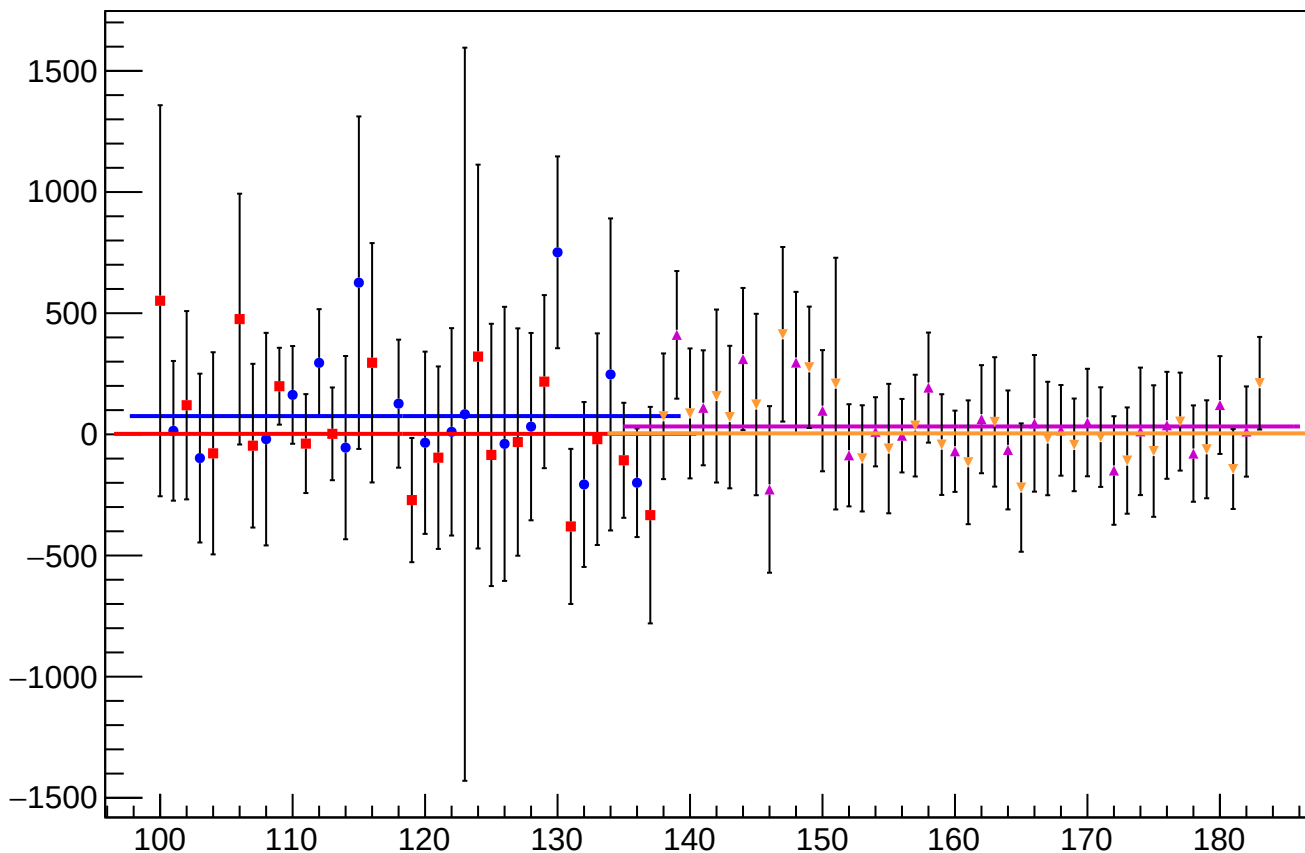
Right: 10.669 $\pm$ 0.002 χ^2 /NDF: 338945.8/35

In: 10.653 $\pm$ 0.002 χ^2 /NDF:305637.8/38

Out: 10.740 $\pm$ 0.002 χ^2 /NDF:308197.4/42

All: 10.697 $\pm$ 0.001 χ^2 /NDF: 615399.7/81

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.370 $\pm$ 80.583 χ^2 /NDF: 7.7/16

Left Out: 4.137 $\pm$ 48.583 χ^2 /NDF:7.0/23

Right Out: 2.048 $\pm$ 70.896 χ^2 /NDF: 7.3/18

Left In: 32.568 $\pm$ 45.559 χ^2 /NDF:7.2/21

Left: 19.265 $\pm$ 33.233 χ^2 /NDF: 14.3/45

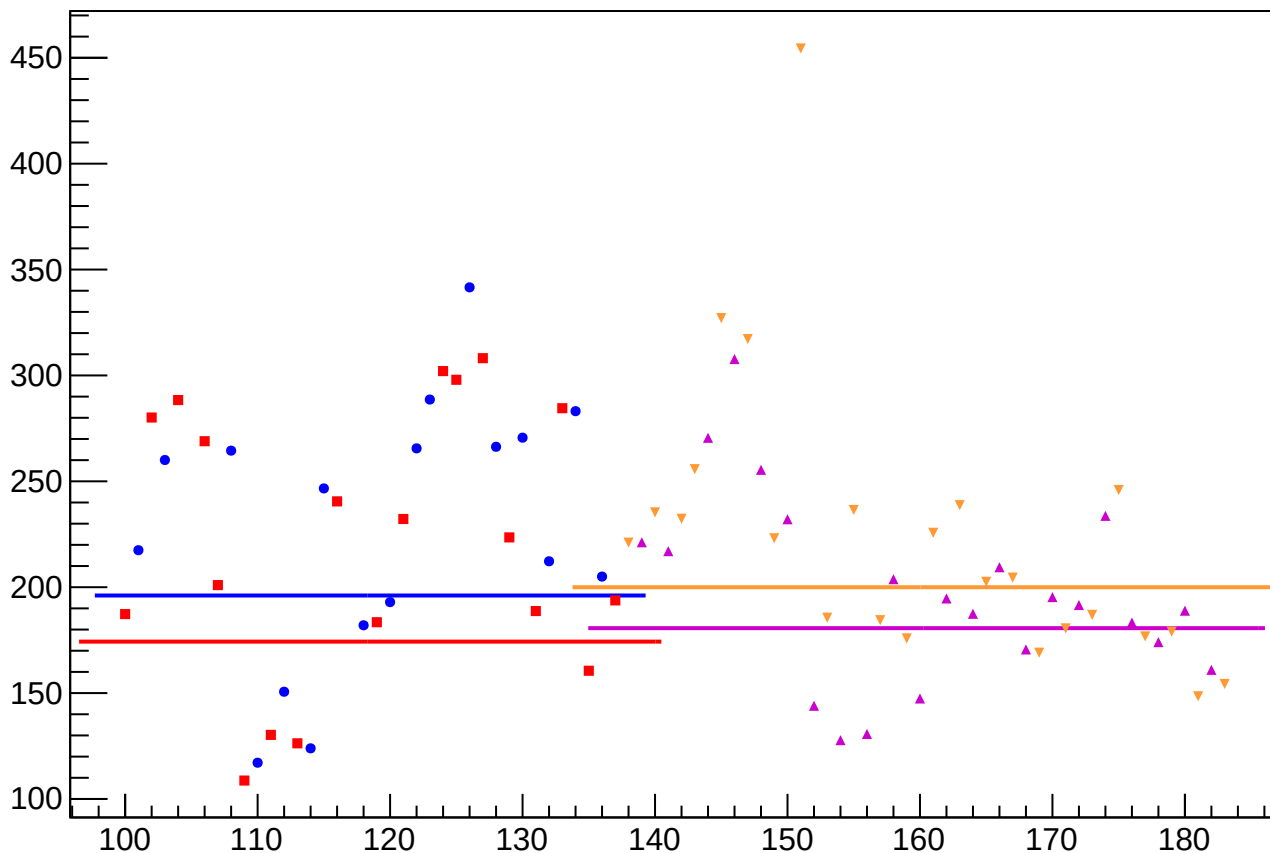
Right: 34.039 $\pm$ 53.228 χ^2 /NDF: 15.5/35

In: 42.935 $\pm$ 39.660 χ^2 /NDF:15.0/38

Out: 3.469 $\pm$ 40.076 χ^2 /NDF:14.3/42

All: 23.408 $\pm$ 28.190 χ^2 /NDF: 29.9/81

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.085 ± 0.057 $\chi^2/\text{NDF}: 981134.1/16$

Left Out: 199.991 ± 0.034 $\chi^2/\text{NDF}: 1714556.2/23$

Right Out: 174.302 ± 0.050 $\chi^2/\text{NDF}: 1523885.0/18$

Left In: 180.659 ± 0.032 $\chi^2/\text{NDF}: 1581651.2/21$

Left: 189.705 ± 0.023 $\chi^2/\text{NDF}: 3464693.8/45$

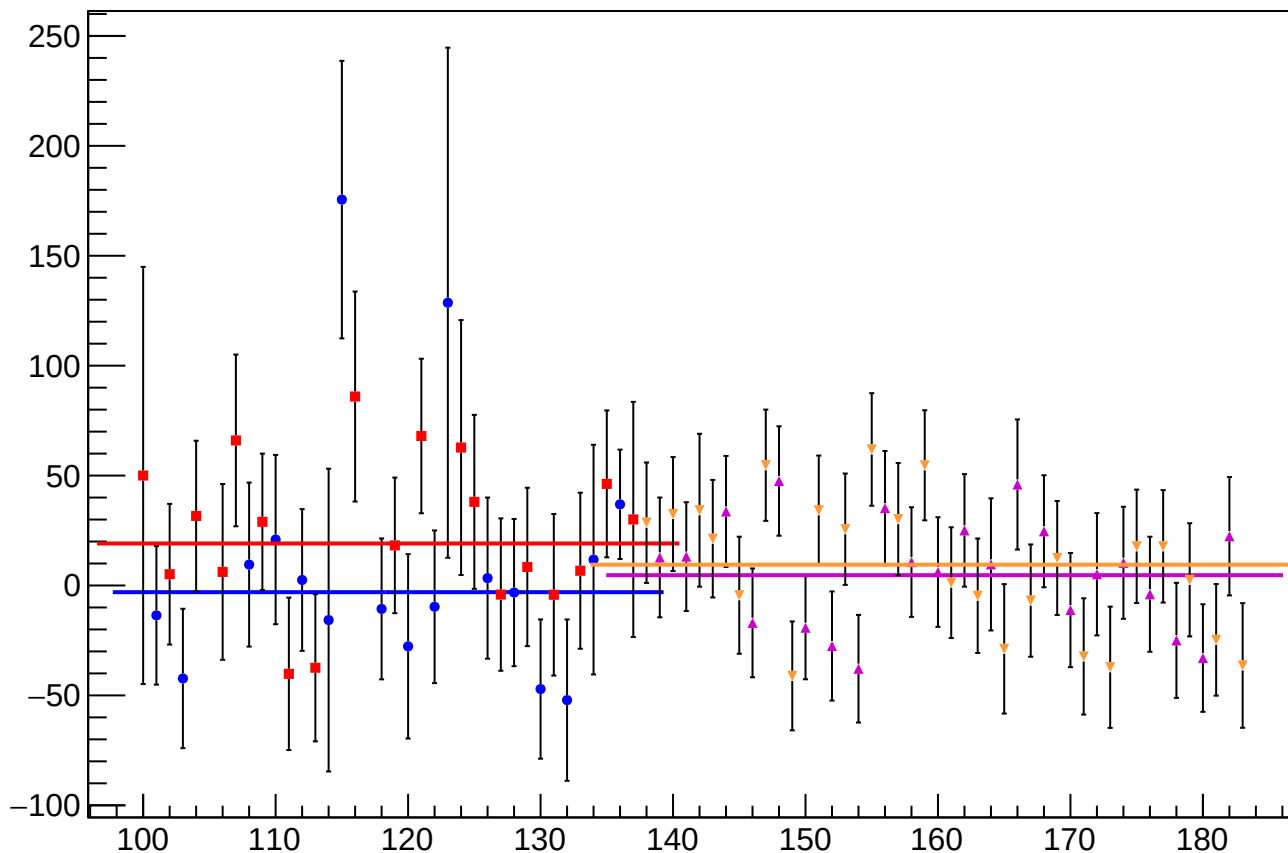
Right: 183.806 ± 0.038 $\chi^2/\text{NDF}: 2587403.7/35$

In: 184.396 ± 0.028 $\chi^2/\text{NDF}: 2618322.8/38$

Out: 191.782 ± 0.028 $\chi^2/\text{NDF}: 3417126.3/42$

All: 188.050 ± 0.020 $\chi^2/\text{NDF}: 6069770.6/81$

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.043 ± 8.901 χ^2/NDF : 18.4/16

Left Out: 9.457 ± 5.362 χ^2/NDF : 31.7/23

Right Out: 19.112 ± 8.574 χ^2/NDF : 14.3/18

Left In: 4.681 ± 5.489 χ^2/NDF : 20.3/21

Left: 7.124 ± 3.836 χ^2/NDF : 52.4/45

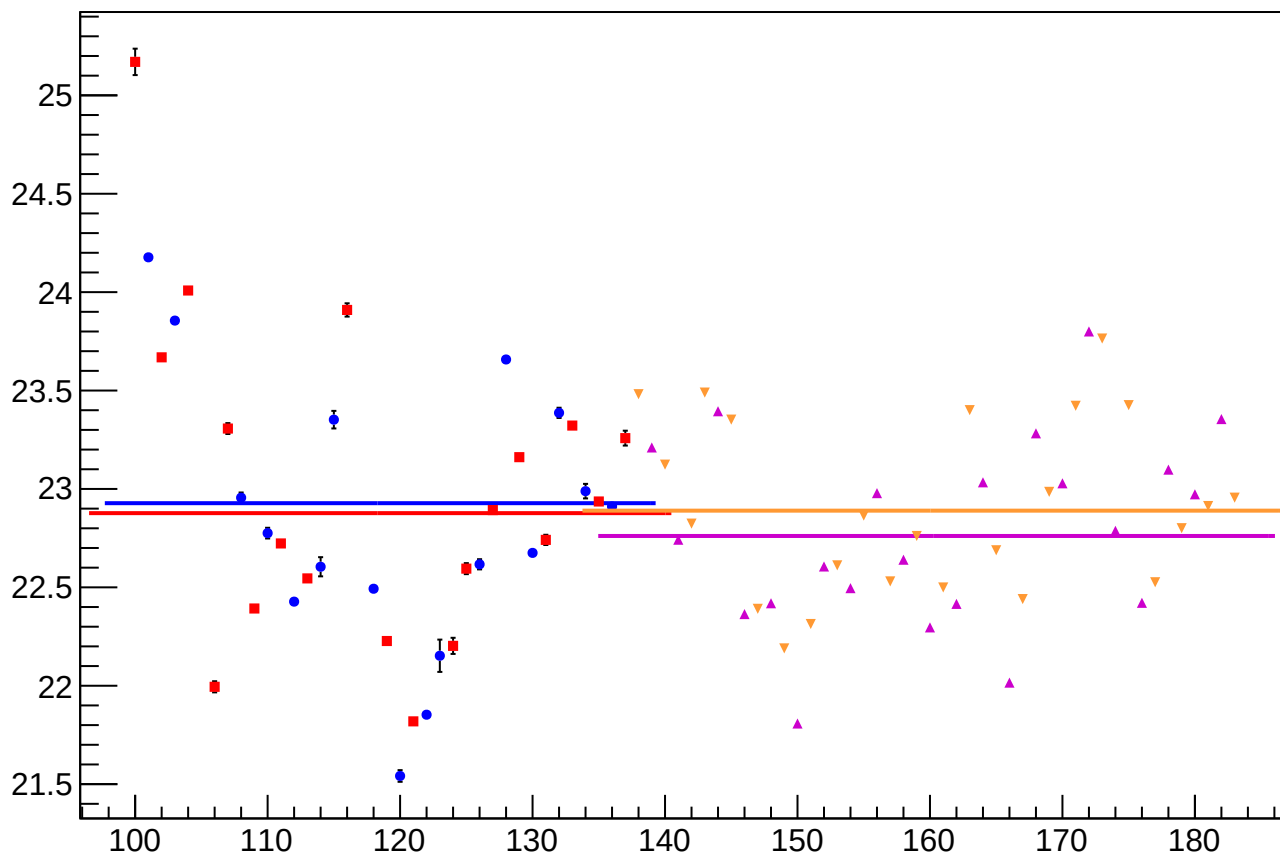
Right: 8.449 ± 6.175 χ^2/NDF : 35.9/35

In: 2.553 ± 4.672 χ^2/NDF : 39.2/38

Out: 12.172 ± 4.546 χ^2/NDF : 46.9/42

All: 7.493 ± 3.258 χ^2/NDF : 88.3/81

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.928 $\pm$ 0.006 χ^2/NDF : 11600.9/16

Left Out: 22.890 $\pm$ 0.004 χ^2/NDF : 12967.1/23

Right Out: 22.877 $\pm$ 0.006 χ^2/NDF : 11098.9/18

Left In: 22.761 $\pm$ 0.004 χ^2/NDF : 14622.7/21

Left: 22.827 $\pm$ 0.003 χ^2/NDF : 28152.1/45

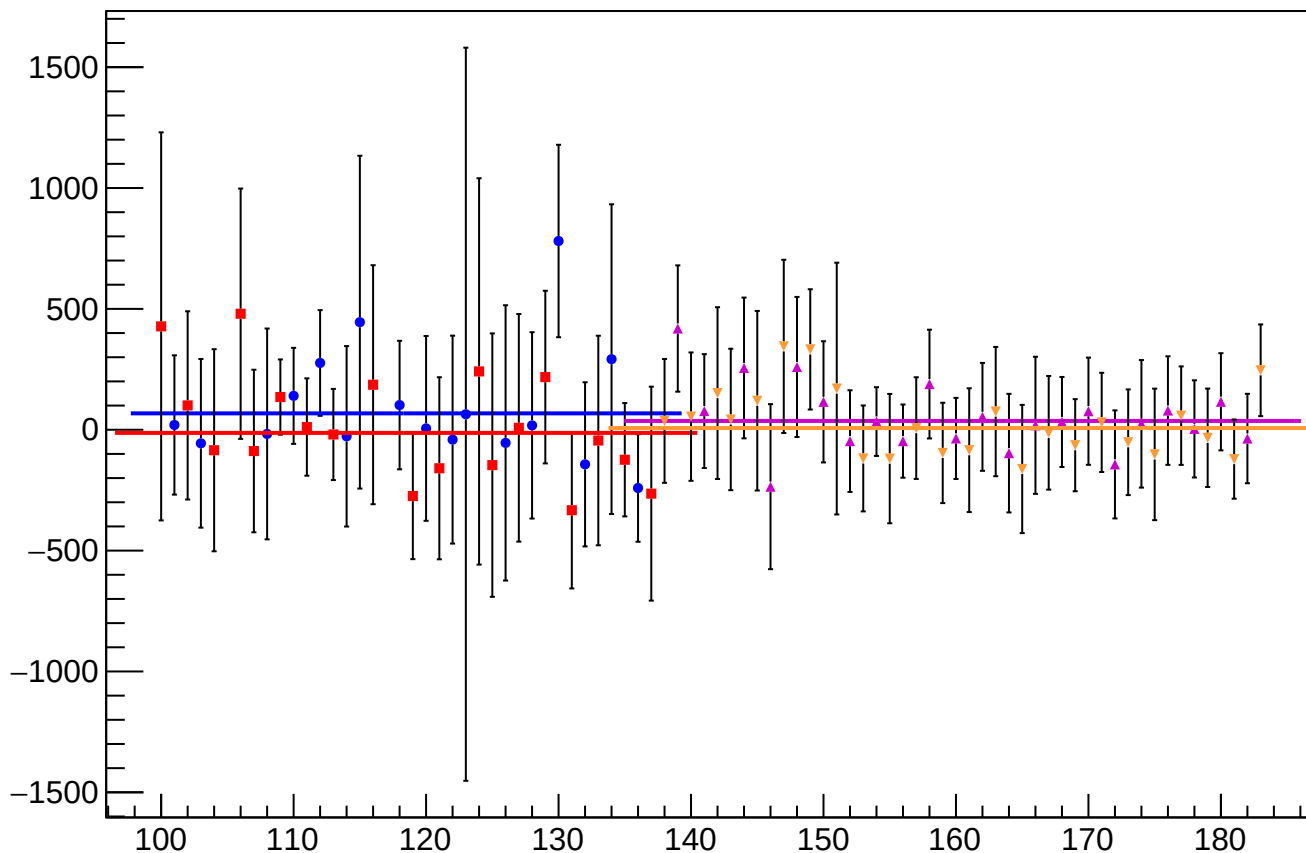
Right: 22.901 $\pm$ 0.004 χ^2/NDF : 22733.3/35

In: 22.807 $\pm$ 0.003 χ^2/NDF : 26731.2/38

Out: 22.886 $\pm$ 0.003 χ^2/NDF : 24069.1/42

All: 22.848 $\pm$ 0.002 χ^2/NDF : 51095.6/81

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.779 $\pm$ 80.229 χ^2 /NDF: 7.4/16

Left Out: 7.087 $\pm$ 48.506 χ^2 /NDF:7.1/23

Right Out: -13.007 $\pm$ 70.398 χ^2 /NDF: 5.7/18

Left In: 36.402 $\pm$ 45.495 χ^2 /NDF:6.5/21

Left: 22.683 $\pm$ 33.183 χ^2 /NDF: 13.8/45

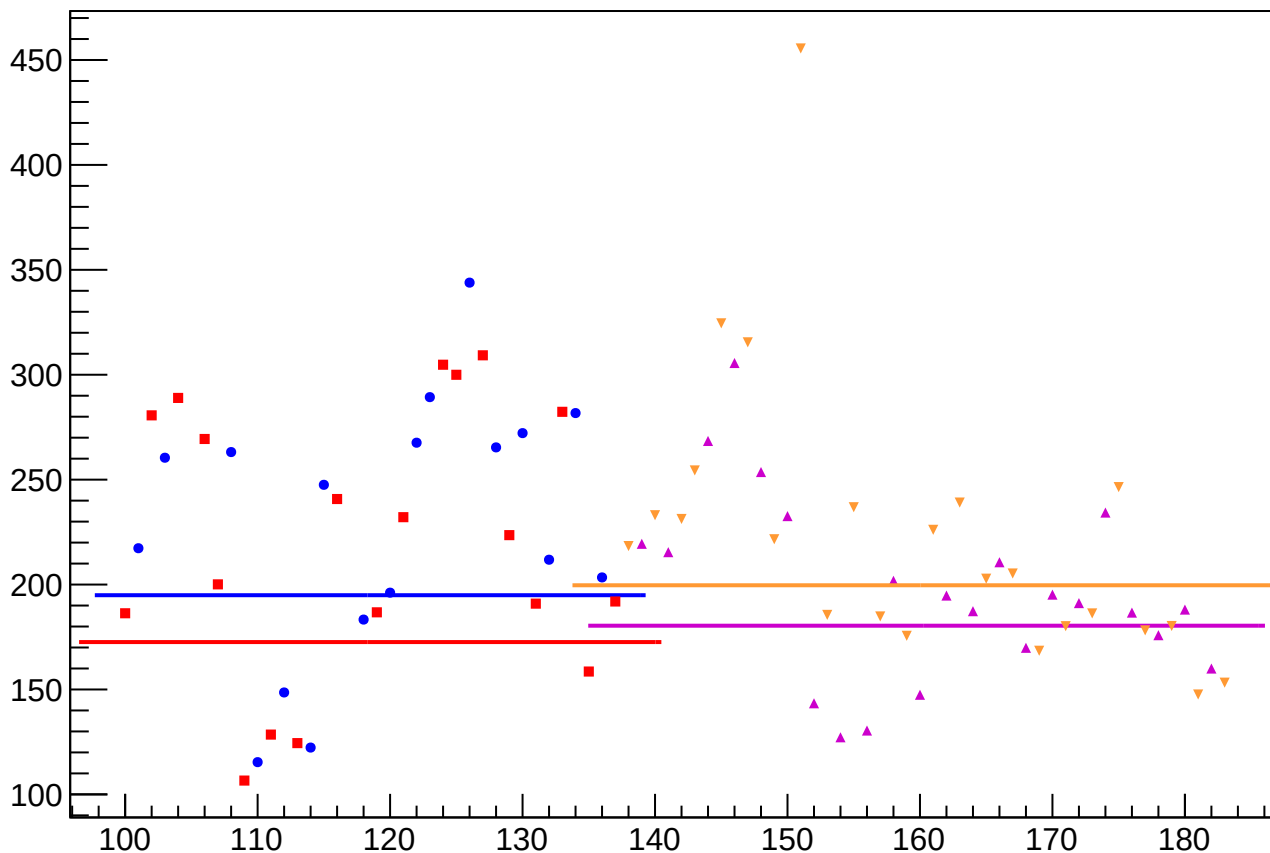
Right: 22.136 $\pm$ 52.915 χ^2 /NDF: 13.7/35

In: 44.036 $\pm$ 39.575 χ^2 /NDF:14.1/38

Out: 0.618 $\pm$ 39.943 χ^2 /NDF:12.9/42

All: 22.528 $\pm$ 28.113 χ^2 /NDF: 27.5/81

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.927 $\pm$ 0.057 χ^2 /NDF: 1021893.7/16

Left Out: 199.661 $\pm$ 0.034 χ^2 /NDF:1711388.2/23

Right Out: 172.594 $\pm$ 0.050 χ^2 /NDF: 1591420.0/18

Left In: 180.393 $\pm$ 0.032 χ^2 /NDF:1575887.6/21

Left: 189.410 $\pm$ 0.023 χ^2 /NDF: 3455158.5/45

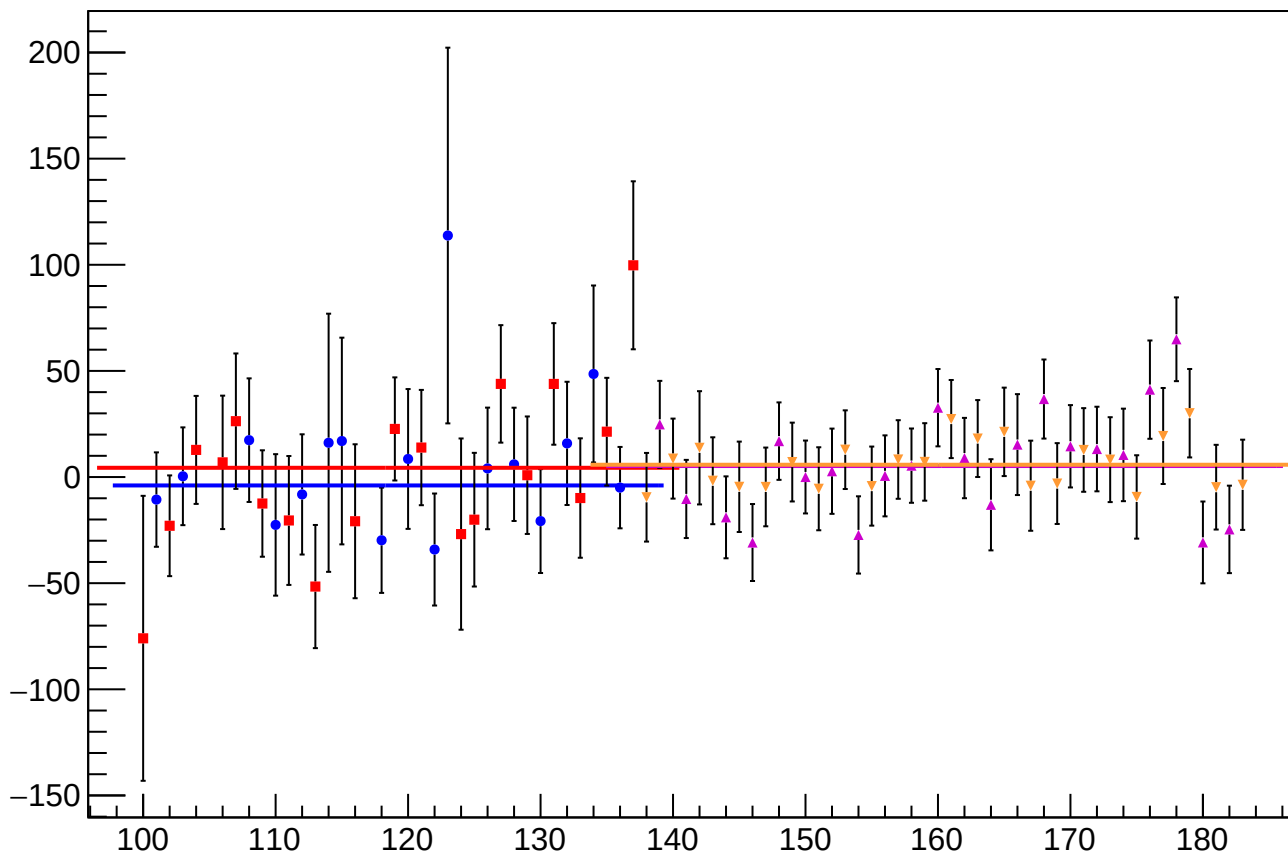
Right: 182.309 $\pm$ 0.037 χ^2 /NDF: 2700872.6/35

In: 183.929 $\pm$ 0.028 χ^2 /NDF:2647442.5/38

Out: 190.947 $\pm$ 0.028 χ^2 /NDF:3503288.6/42

All: 187.406 $\pm$ 0.020 χ^2 /NDF: 6181886.4/81

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.959 ± 6.931 χ^2/NDF : 8.3/16

Left Out: 5.794 ± 4.043 χ^2/NDF : 7.9/23

Right Out: 4.358 ± 6.742 χ^2/NDF : 20.9/18

Left In: 5.186 ± 4.139 χ^2/NDF : 34.6/21

Left: 5.497 ± 2.892 χ^2/NDF : 42.5/45

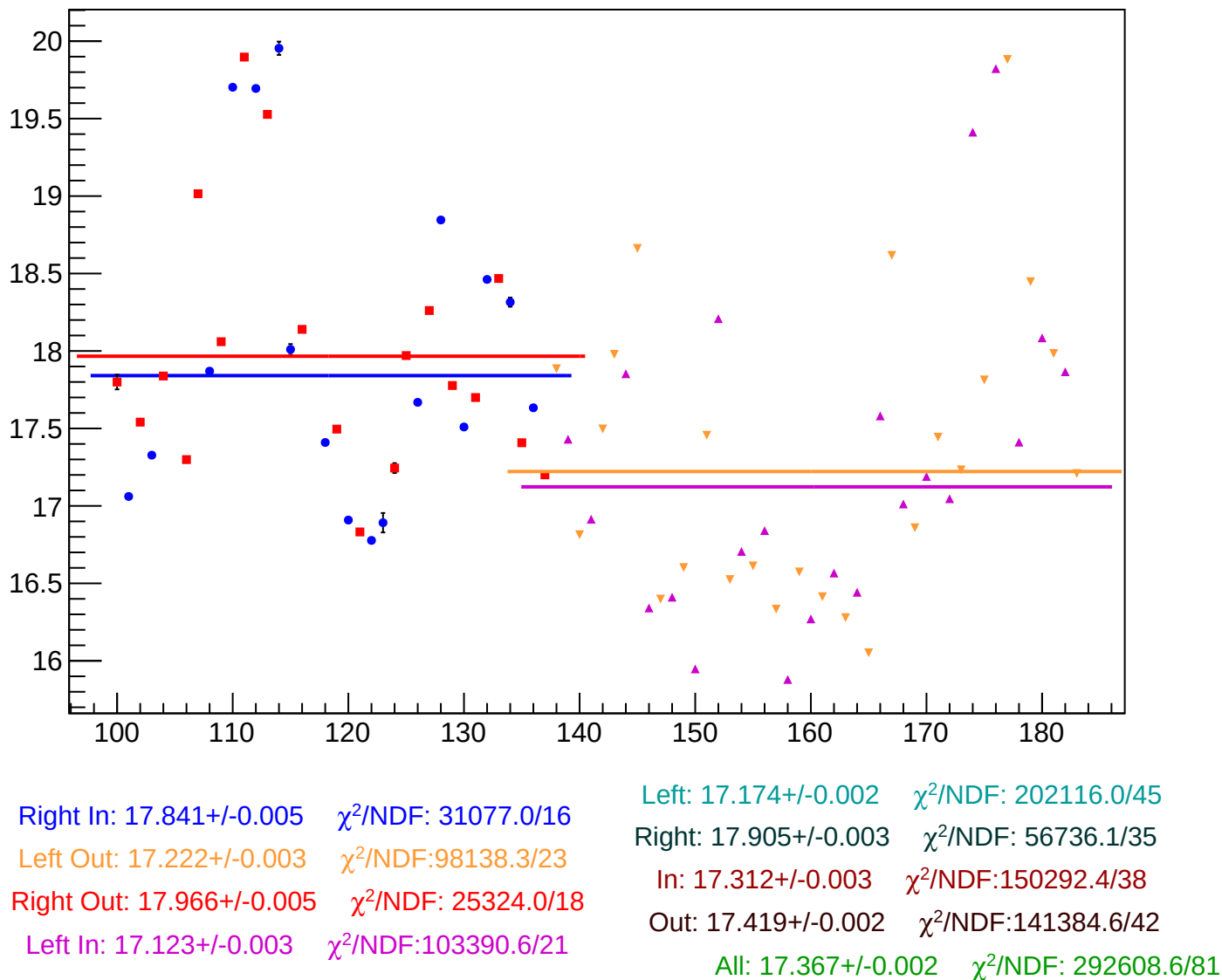
Right: 0.314 ± 4.833 χ^2/NDF : 30.0/35

In: 2.781 ± 3.554 χ^2/NDF : 44.2/38

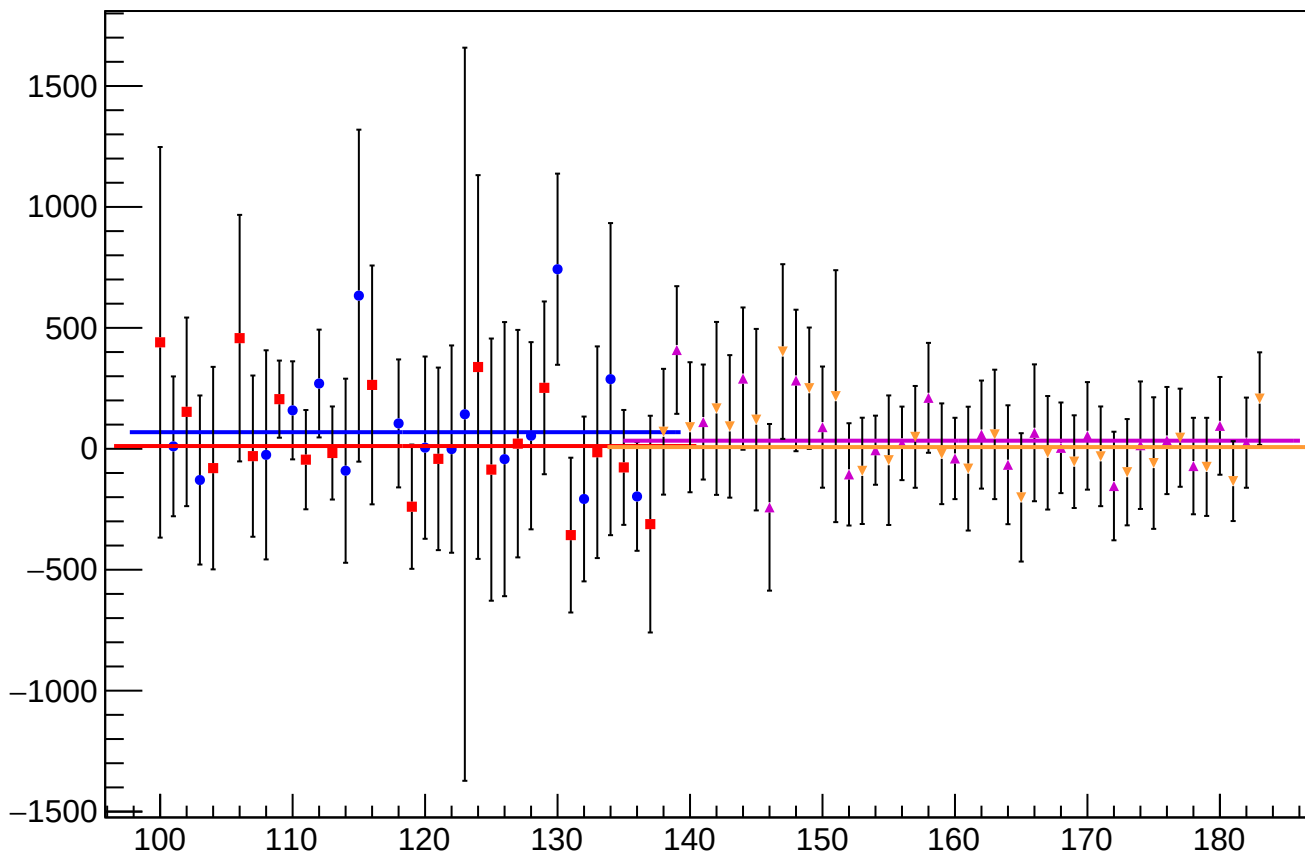
Out: 5.414 ± 3.467 χ^2/NDF : 28.8/42

All: 4.130 ± 2.482 χ^2/NDF : 73.4/81

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.704+/-80.783 χ^2/NDF : 7.5/16

Left Out: 7.068+/-48.692 χ^2/NDF : 6.4/23

Right Out: 11.402+/-71.054 χ^2/NDF : 6.7/18

Left In: 33.543+/-45.654 χ^2/NDF : 6.9/21

Left: 21.157+/-33.305 χ^2/NDF : 13.4/45

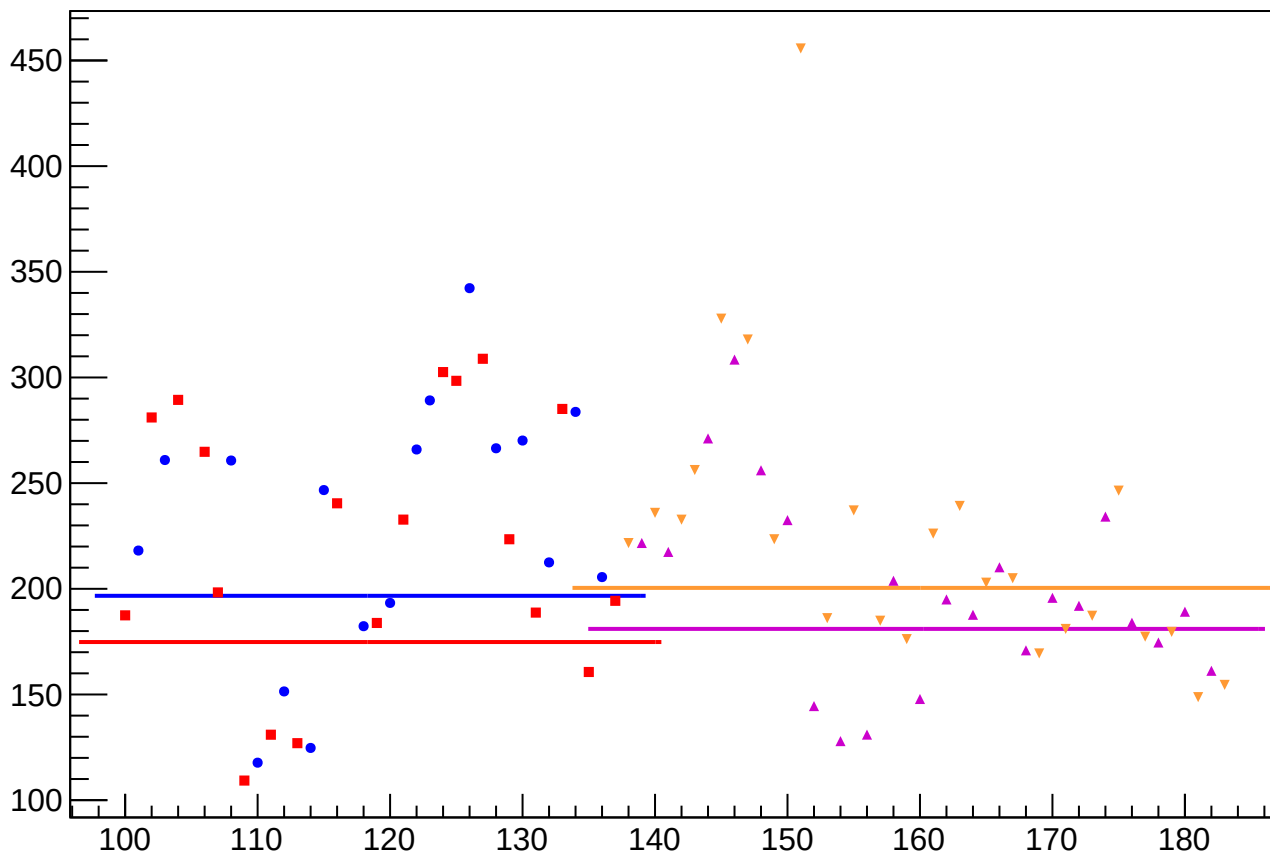
Right: 36.396+/-53.352 χ^2/NDF : 14.4/35

In: 42.054+/-39.746 χ^2/NDF : 14.5/38

Out: 8.453+/-40.166 χ^2/NDF : 13.0/42

All: 25.430+/-28.252 χ^2/NDF : 27.9/81

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.690 $\pm$ 0.057 χ^2 /NDF: 966153.1/16

Left Out: 200.437 $\pm$ 0.034 χ^2 /NDF: 1715384.0/23

Right Out: 174.816 $\pm$ 0.050 χ^2 /NDF: 1506223.2/18

Left In: 181.034 $\pm$ 0.032 χ^2 /NDF: 1581489.8/21

Left: 190.111 $\pm$ 0.024 χ^2 /NDF: 3465879.2/45

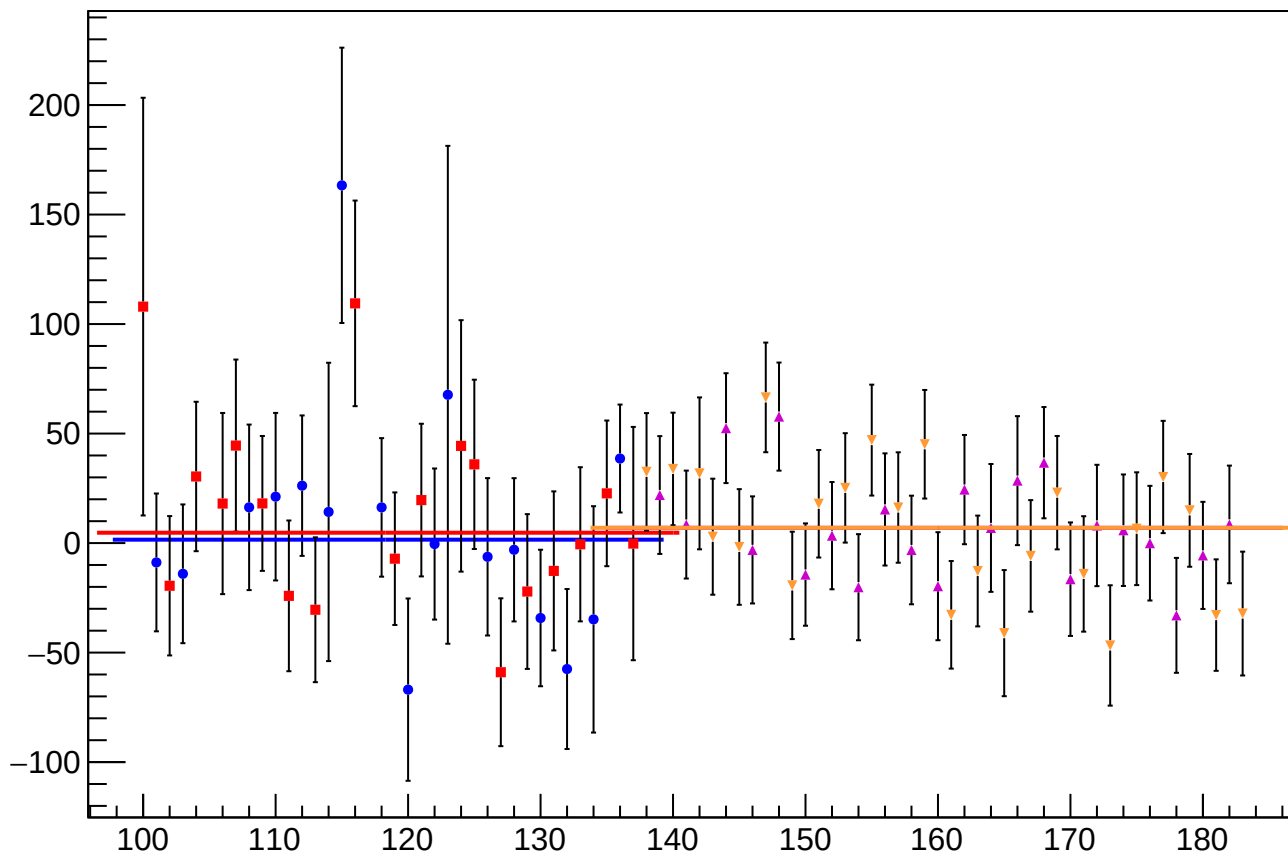
Right: 184.357 $\pm$ 0.038 χ^2 /NDF: 2555050.7/35

In: 184.824 $\pm$ 0.028 χ^2 /NDF: 2604581.4/38

Out: 192.250 $\pm$ 0.028 χ^2 /NDF: 3398543.9/42

All: 188.498 $\pm$ 0.020 χ^2 /NDF: 6037666.5/81

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.556+/-8.826 χ^2/NDF : 18.0/16

Left Out: 6.992+/-5.312 χ^2/NDF :31.6/23

Right Out: 4.732+/-8.498 χ^2/NDF : 16.6/18

Left In: 6.958+/-5.445 χ^2/NDF :17.4/21

Left: 6.975+/-3.802 χ^2/NDF : 49.0/45

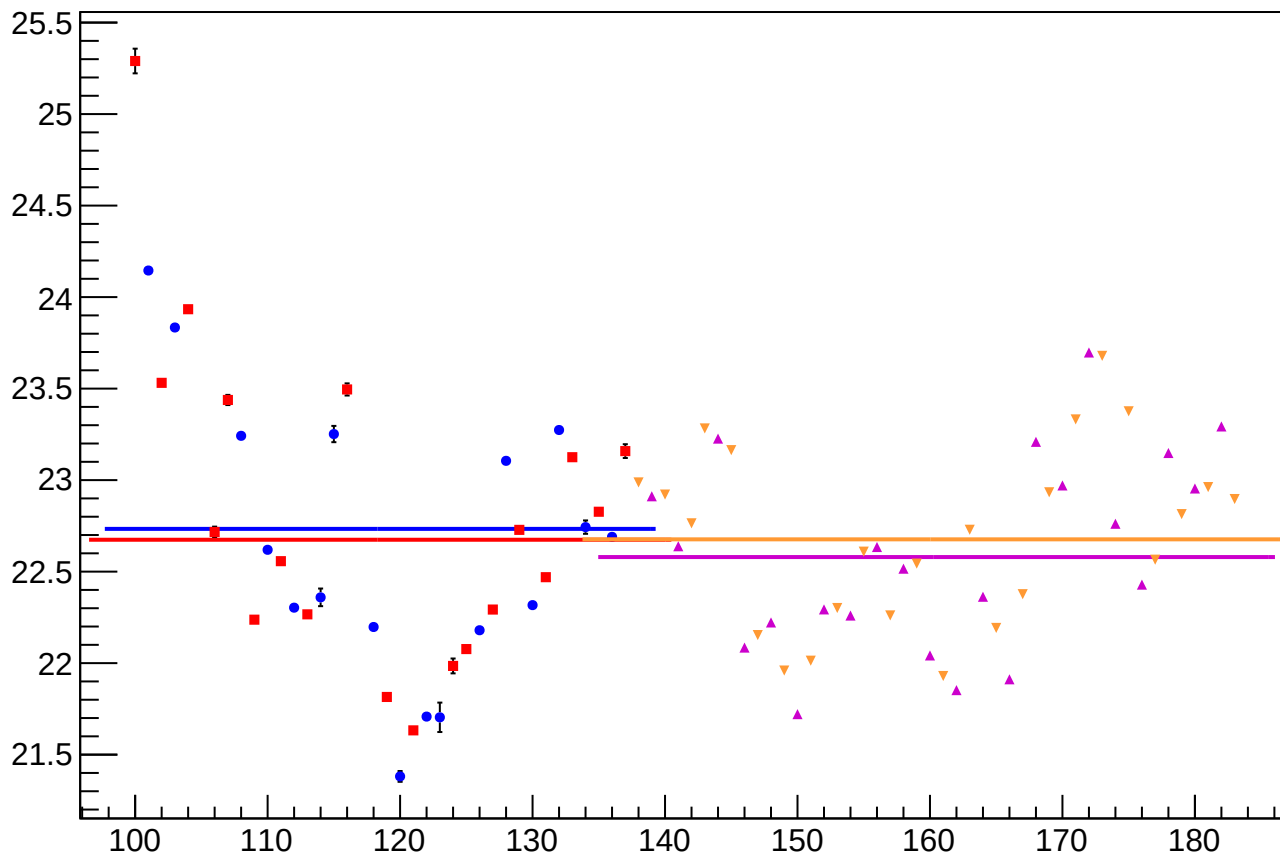
Right: 3.204+/-6.121 χ^2/NDF : 34.7/35

In: 5.469+/-4.634 χ^2/NDF :35.8/38

Out: 6.357+/-4.504 χ^2/NDF :48.2/42

All: 5.925+/-3.230 χ^2/NDF : 84.0/81

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.734 $\pm$ 0.006 χ^2 /NDF: 13530.3/16

Left Out: 22.676 $\pm$ 0.004 χ^2 /NDF:16040.6/23

Right Out: 22.674 $\pm$ 0.006 χ^2 /NDF: 12809.0/18

Left In: 22.580 $\pm$ 0.004 χ^2 /NDF:17951.2/21

Left: 22.629 $\pm$ 0.003 χ^2 /NDF: 34315.5/45

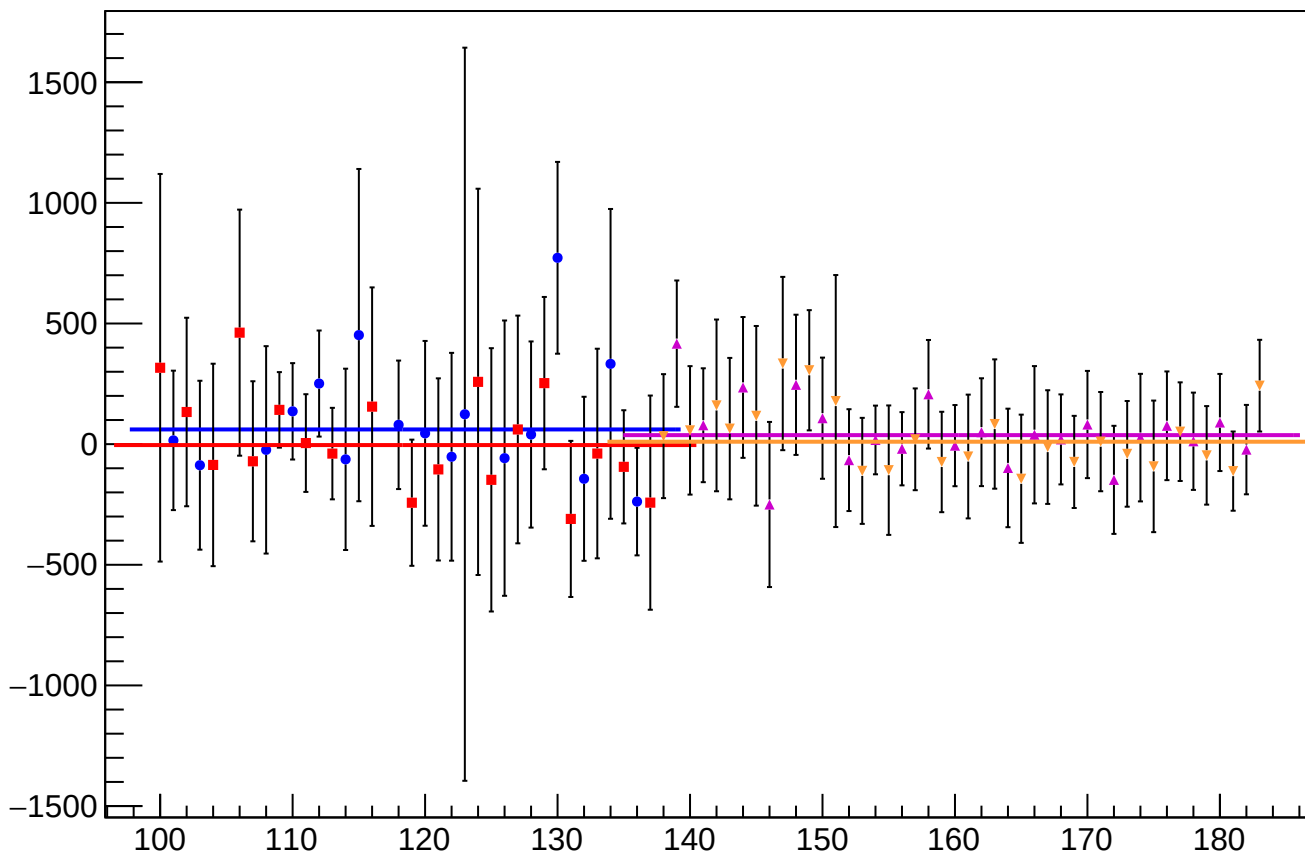
Right: 22.703 $\pm$ 0.004 χ^2 /NDF: 26386.3/35

In: 22.622 $\pm$ 0.003 χ^2 /NDF:31922.3/38

Out: 22.676 $\pm$ 0.003 χ^2 /NDF:28849.7/42

All: 22.650 $\pm$ 0.002 χ^2 /NDF: 60910.2/81

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.929 $\pm$ 80.431 χ^2 /NDF: 7.2/16

Left Out: 10.081 $\pm$ 48.616 χ^2 /NDF:6.4/23

Right Out: -3.845 $\pm$ 70.561 χ^2 /NDF: 5.2/18

Left In: 37.337 $\pm$ 45.589 χ^2 /NDF:6.2/21

Left: 24.584 $\pm$ 33.255 χ^2 /NDF: 12.7/45

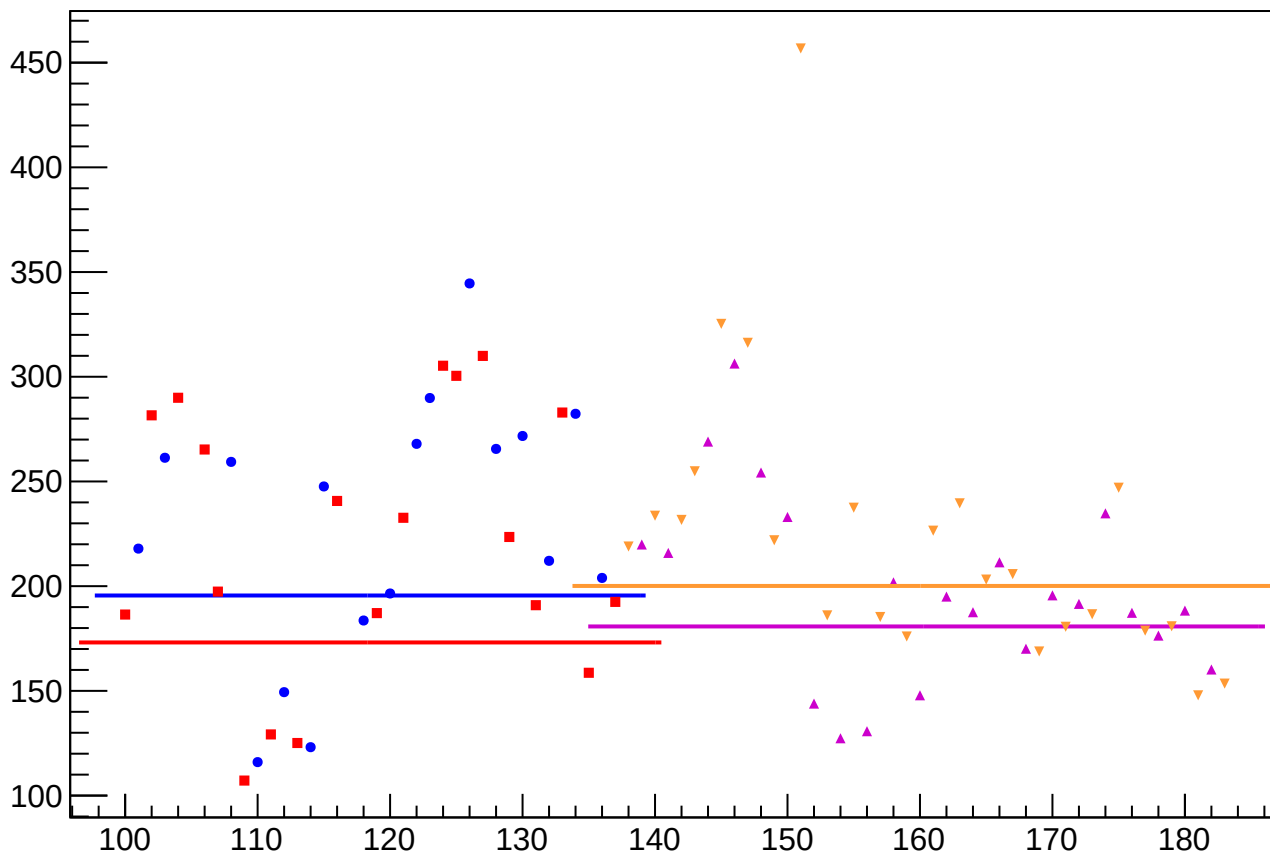
Right: 24.326 $\pm$ 53.042 χ^2 /NDF: 12.8/35

In: 43.073 $\pm$ 39.661 χ^2 /NDF:13.5/38

Out: 5.598 $\pm$ 40.033 χ^2 /NDF:11.5/42

All: 24.511 $\pm$ 28.175 χ^2 /NDF: 25.5/81

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.543 $\pm$ 0.057 χ^2 /NDF: 1006207.5/16

Left Out: 200.107 $\pm$ 0.034 χ^2 /NDF:1712262.0/23

Right Out: 173.124 $\pm$ 0.050 χ^2 /NDF: 1572874.3/18

Left In: 180.765 $\pm$ 0.032 χ^2 /NDF:1575957.3/21

Left: 189.815 $\pm$ 0.024 χ^2 /NDF: 3456665.1/45

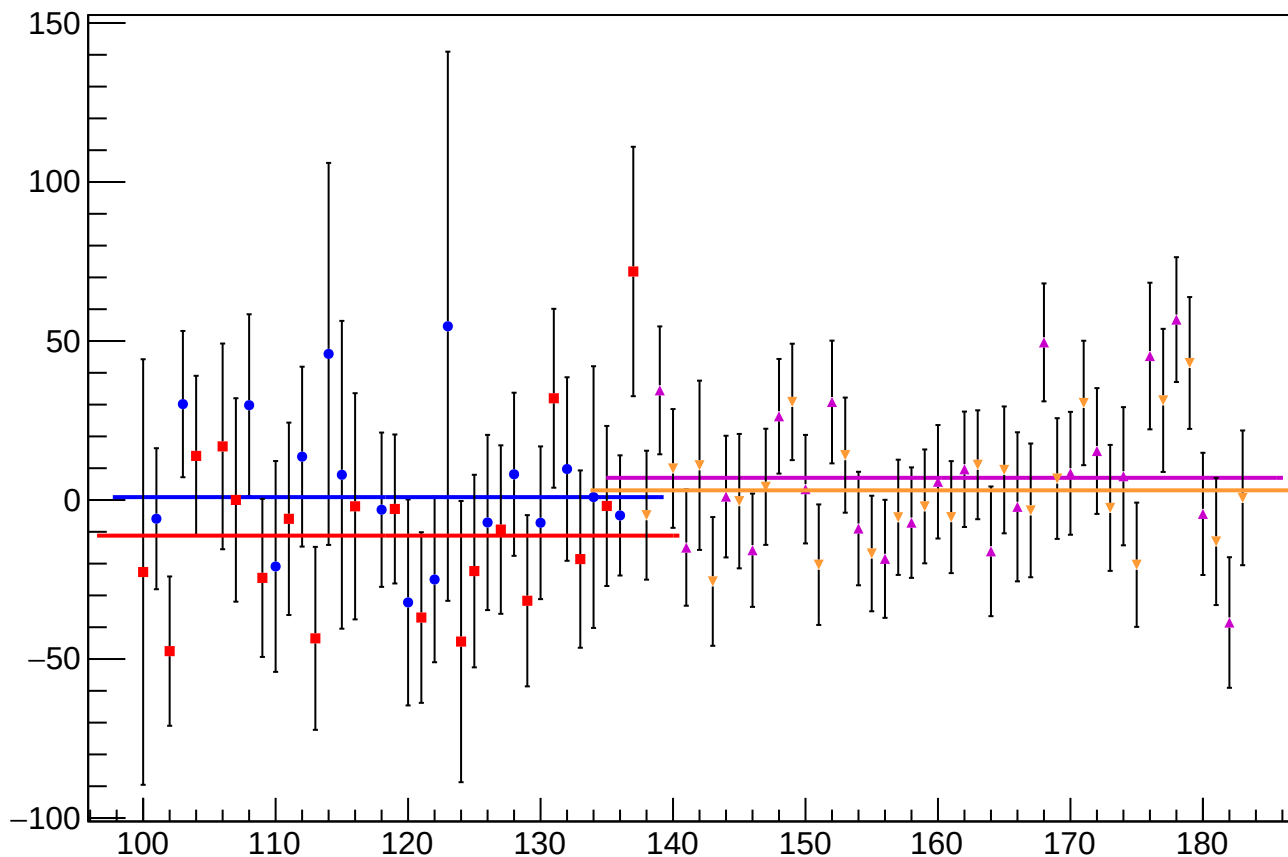
Right: 182.875 $\pm$ 0.038 χ^2 /NDF: 2666888.8/35

In: 184.358 $\pm$ 0.028 χ^2 /NDF:2633267.9/38

Out: 191.421 $\pm$ 0.028 χ^2 /NDF:3483450.3/42

All: 187.857 $\pm$ 0.020 χ^2 /NDF: 6148134.0/81

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.909 ± 6.829 $\chi^2/\text{NDF}: 6.9/16$

Left Out: 3.045 ± 3.971 $\chi^2/\text{NDF}: 18.2/23$

Right Out: -11.200 ± 6.644 $\chi^2/\text{NDF}: 15.3/18$

Left In: 6.980 ± 4.078 $\chi^2/\text{NDF}: 32.5/21$

Left: 4.960 ± 2.845 $\chi^2/\text{NDF}: 51.2/45$

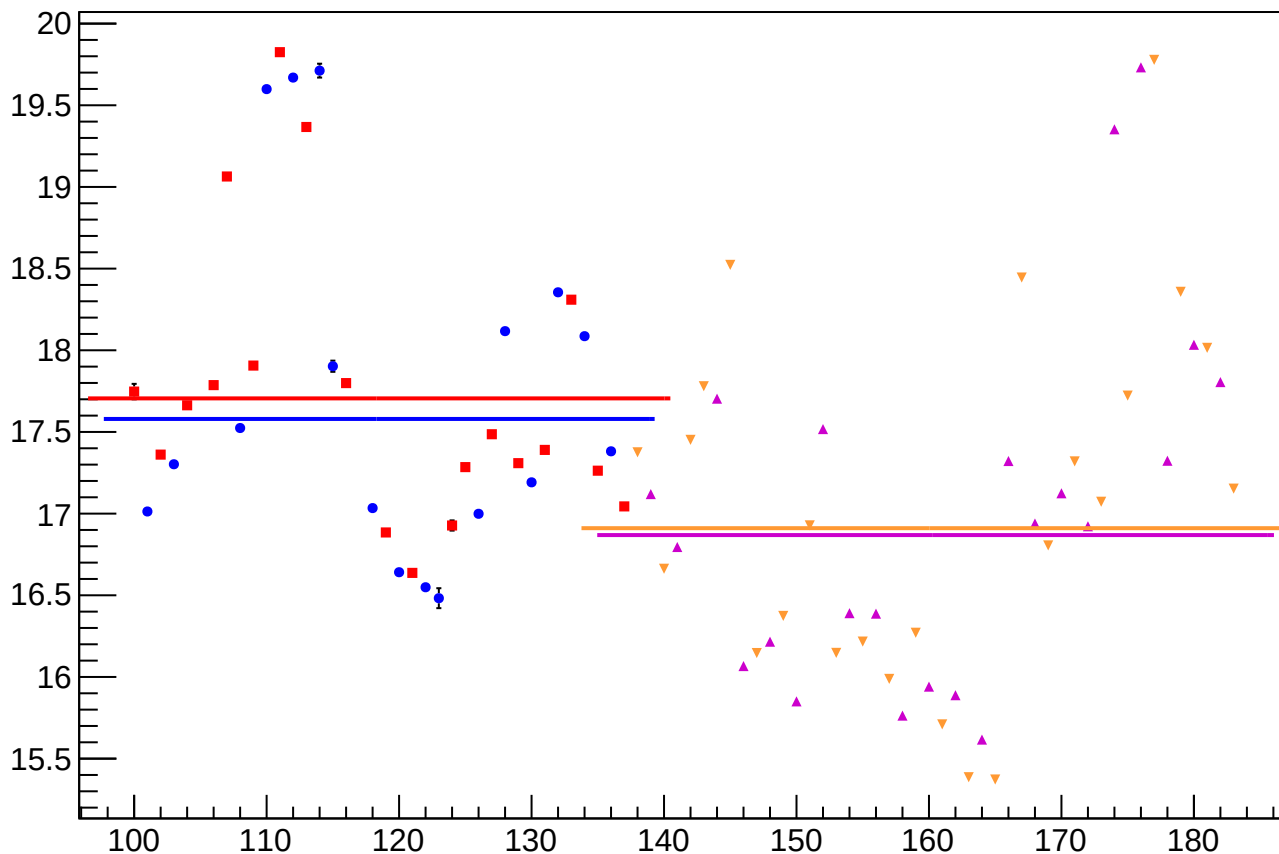
Right: -5.312 ± 4.762 $\chi^2/\text{NDF}: 23.8/35$

In: 5.384 ± 3.501 $\chi^2/\text{NDF}: 39.9/38$

Out: -0.705 ± 3.409 $\chi^2/\text{NDF}: 36.9/42$

All: 2.258 ± 2.442 $\chi^2/\text{NDF}: 78.4/81$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.580 $\pm$ 0.005 χ^2 /NDF: 32962.1/16

Left Out: 16.911 $\pm$ 0.003 χ^2 /NDF:137824.8/23

Right Out: 17.705 $\pm$ 0.005 χ^2 /NDF: 30276.7/18

Left In: 16.869 $\pm$ 0.003 χ^2 /NDF:120625.5/21

Left: 16.890 $\pm$ 0.002 χ^2 /NDF: 258560.3/45

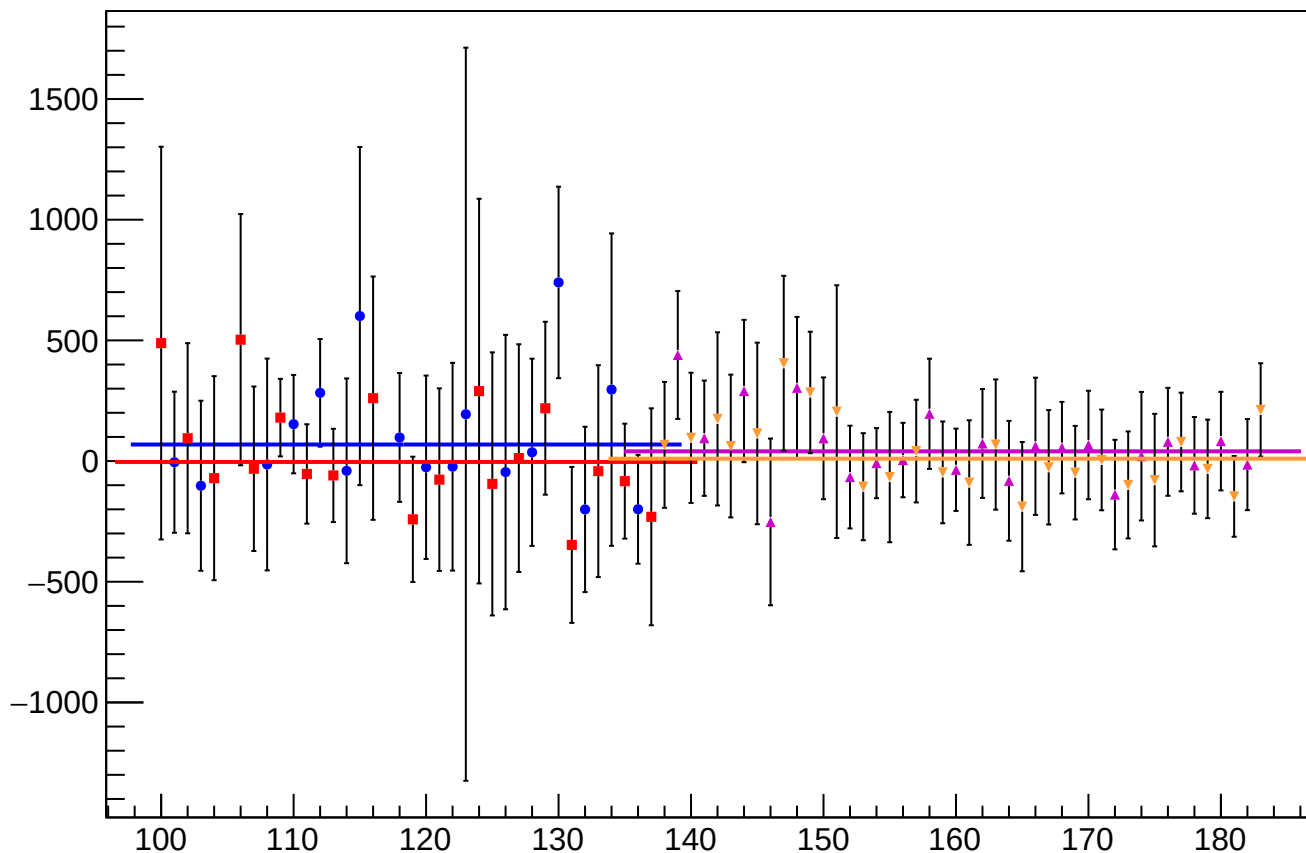
Right: 17.644 $\pm$ 0.003 χ^2 /NDF: 63587.8/35

In: 17.056 $\pm$ 0.002 χ^2 /NDF:169564.1/38

Out: 17.120 $\pm$ 0.002 χ^2 /NDF:189179.7/42

All: 17.089 $\pm$ 0.002 χ^2 /NDF: 359092.3/81

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.625 $\pm$ 81.256 χ^2 /NDF: 7.3/16

Left Out: 9.951 $\pm$ 49.111 χ^2 /NDF:6.8/23

Right Out: -3.617 $\pm$ 71.551 χ^2 /NDF: 6.1/18

Left In: 40.385 $\pm$ 46.097 χ^2 /NDF:6.9/21

Left: 26.131 $\pm$ 33.610 χ^2 /NDF: 13.8/45

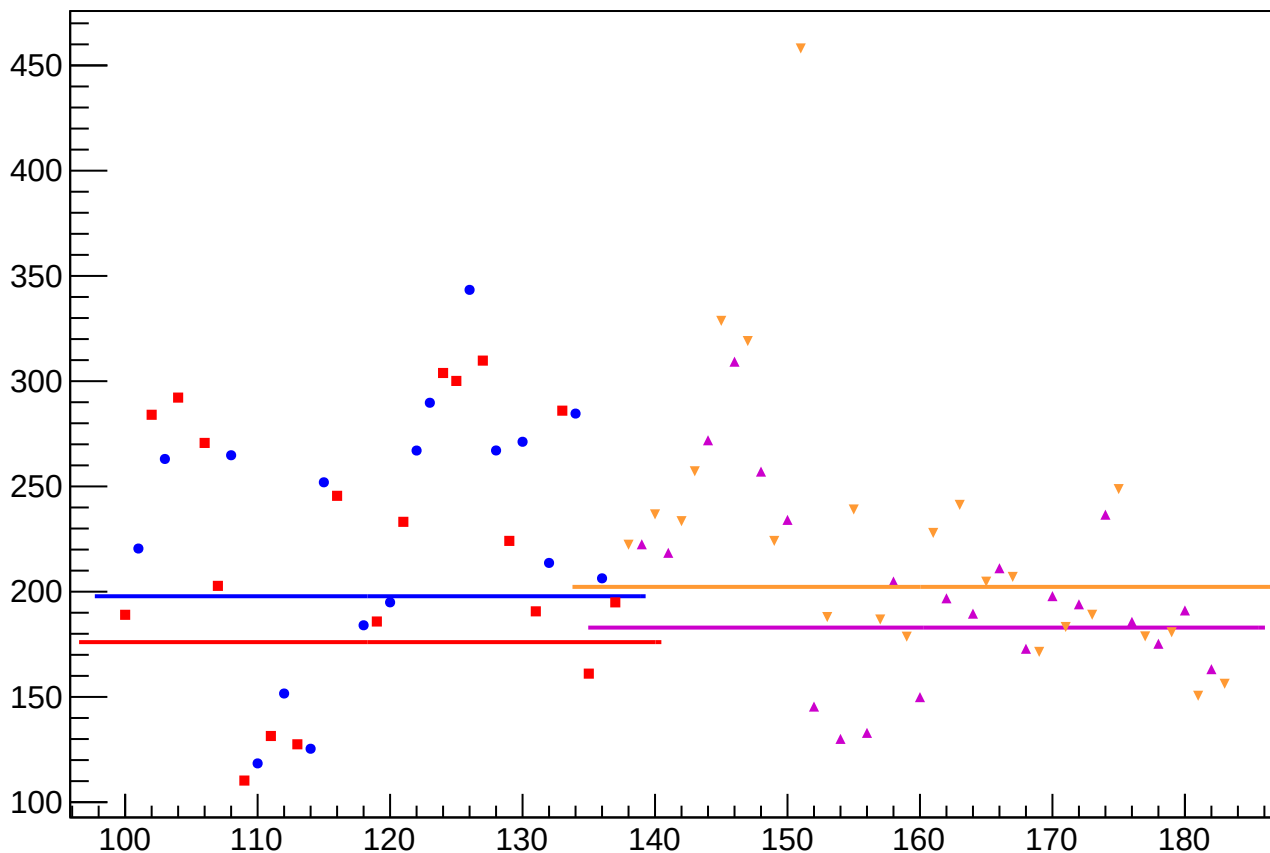
Right: 27.934 $\pm$ 53.699 χ^2 /NDF: 13.8/35

In: 47.261 $\pm$ 40.094 χ^2 /NDF:14.2/38

Out: 5.606 $\pm$ 40.491 χ^2 /NDF:12.9/42

All: 26.638 $\pm$ 28.490 χ^2 /NDF: 27.6/81

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.832 $\pm$ 0.057 χ^2 /NDF: 971081.8/16

Left Out: 202.280 $\pm$ 0.035 χ^2 /NDF:1683423.1/23

Right Out: 176.036 $\pm$ 0.051 χ^2 /NDF: 1514906.1/18

Left In: 182.937 $\pm$ 0.033 χ^2 /NDF:1536757.6/21

Left: 191.997 $\pm$ 0.024 χ^2 /NDF: 3385113.6/45

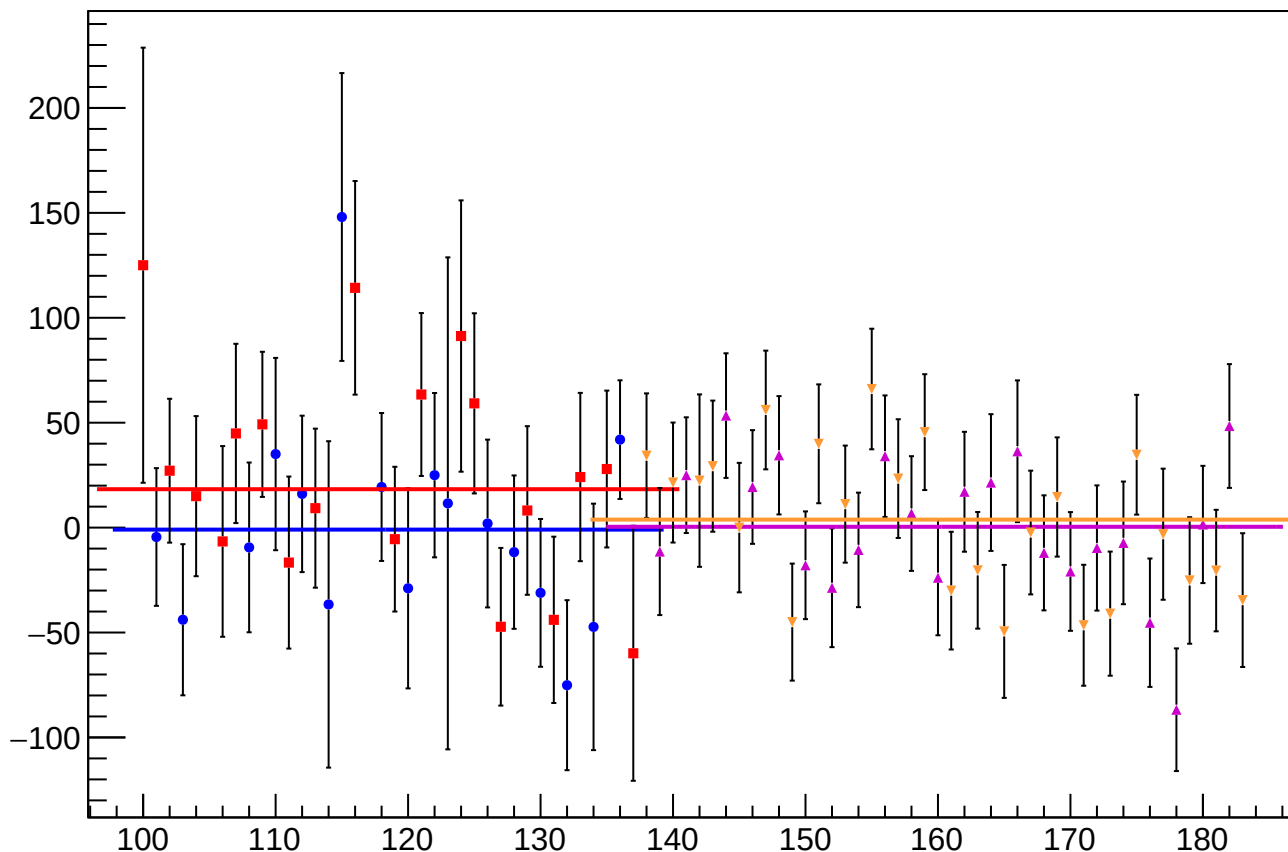
Right: 185.556 $\pm$ 0.038 χ^2 /NDF: 2567038.6/35

In: 186.564 $\pm$ 0.028 χ^2 /NDF:2558679.0/38

Out: 193.876 $\pm$ 0.029 χ^2 /NDF:3381219.1/42

All: 190.184 $\pm$ 0.020 χ^2 /NDF: 5972828.7/81

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.953 ± 9.909 χ^2/NDF : 15.5/16

Left Out: 3.814 ± 6.009 χ^2/NDF : 32.8/23

Right Out: 18.305 ± 9.519 χ^2/NDF : 18.3/18

Left In: 0.388 ± 6.118 χ^2/NDF : 26.6/21

Left: 2.131 ± 4.287 χ^2/NDF : 59.6/45

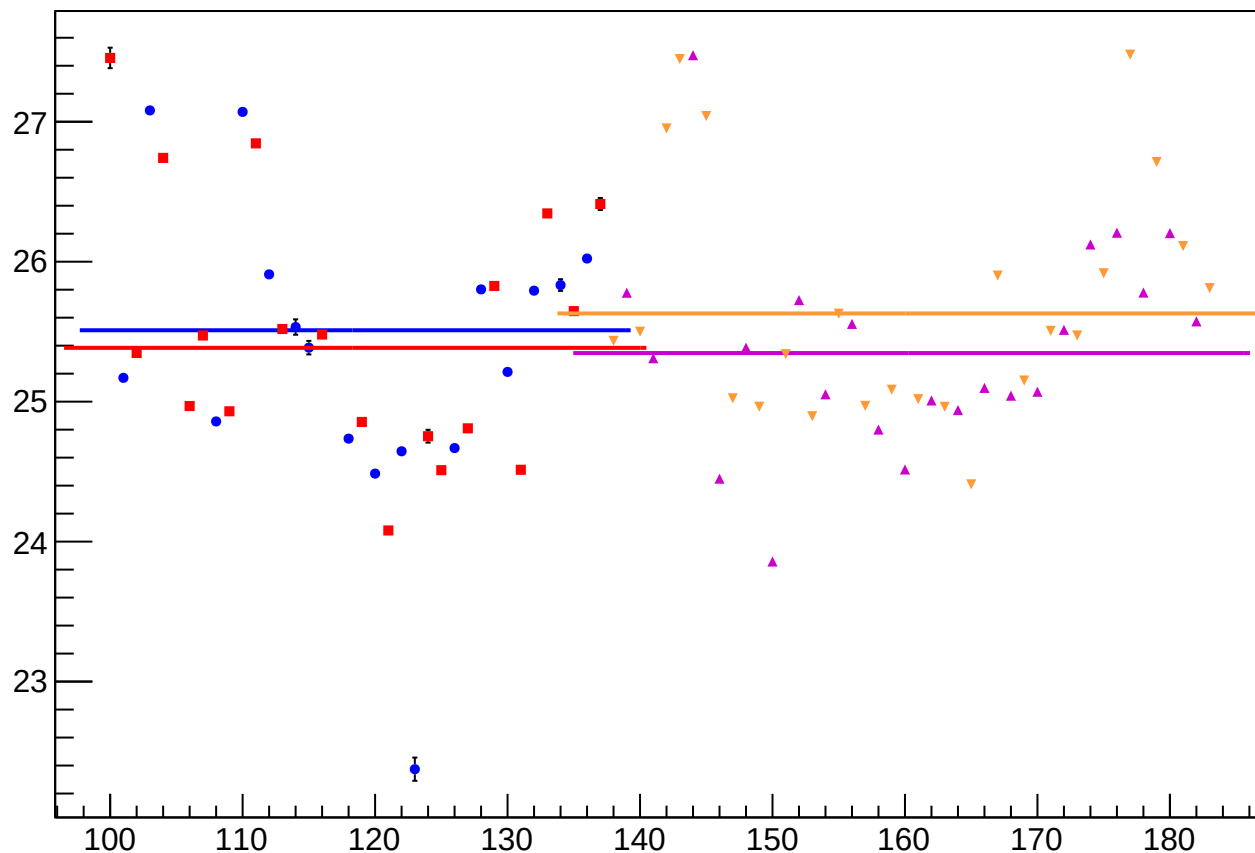
Right: 9.063 ± 6.865 χ^2/NDF : 35.7/35

In: 0.018 ± 5.206 χ^2/NDF : 42.1/38

Out: 7.943 ± 5.082 χ^2/NDF : 52.8/42

All: 4.076 ± 3.636 χ^2/NDF : 96.1/81

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.510 $\pm$ 0.007 χ^2 /NDF: 13357.4/16

Left Out: 25.630 $\pm$ 0.004 χ^2 /NDF:34982.6/23

Right Out: 25.385 $\pm$ 0.007 χ^2 /NDF: 13669.3/18

Left In: 25.347 $\pm$ 0.004 χ^2 /NDF:29576.6/21

Left: 25.491 $\pm$ 0.003 χ^2 /NDF: 66736.8/45

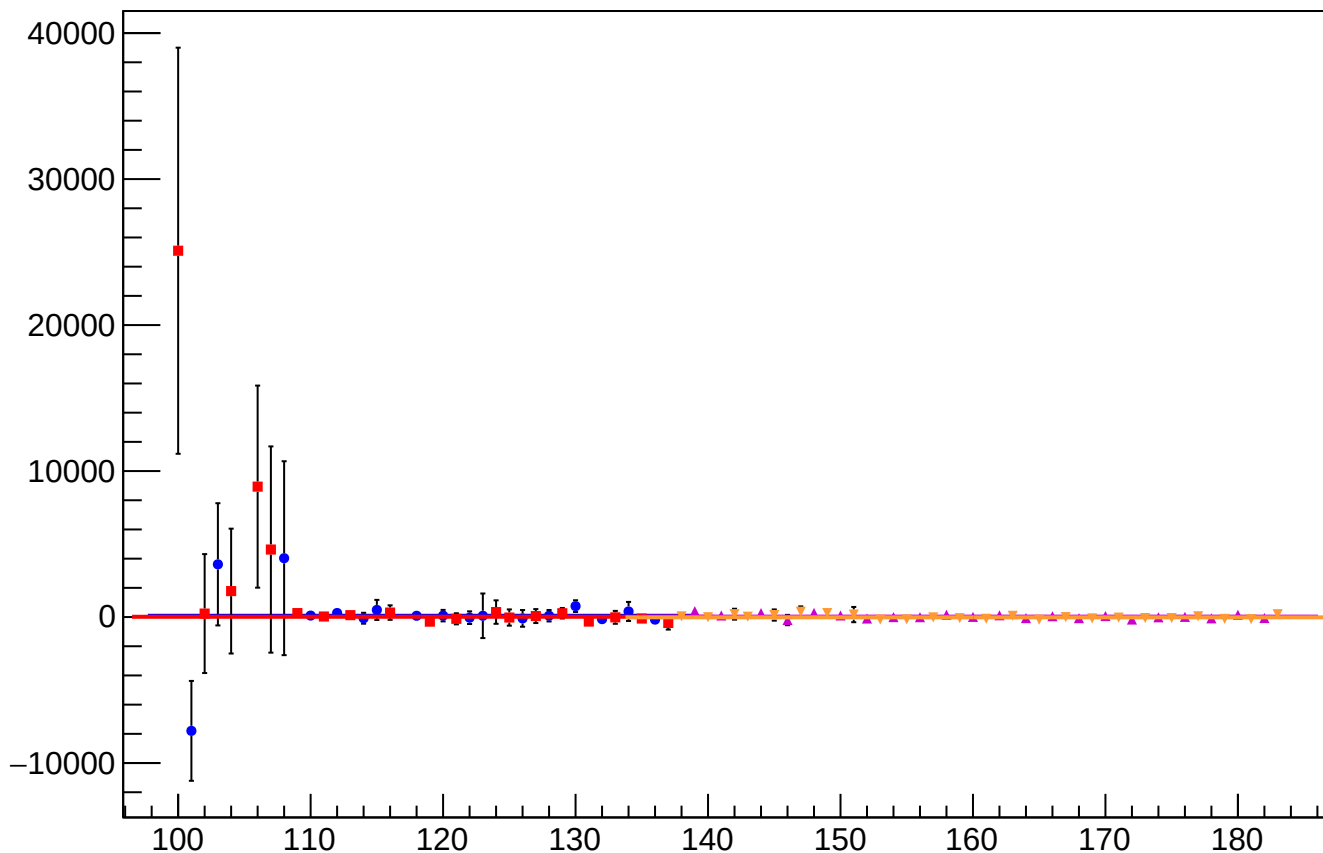
Right: 25.445 $\pm$ 0.005 χ^2 /NDF: 27193.6/35

In: 25.392 $\pm$ 0.004 χ^2 /NDF:43324.8/38

Out: 25.560 $\pm$ 0.004 χ^2 /NDF:49604.6/42

All: 25.478 $\pm$ 0.003 χ^2 /NDF: 93996.4/81

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 88.017+/-88.732 χ^2/NDF : 12.6/16

Left Out: -19.870+/-48.812 χ^2/NDF : 7.0/23

Right Out: 19.598+/-80.969 χ^2/NDF : 12.0/18

Left In: 29.211+/-46.419 χ^2/NDF : 7.4/21

Left: 5.903+/-33.637 χ^2/NDF : 14.9/45

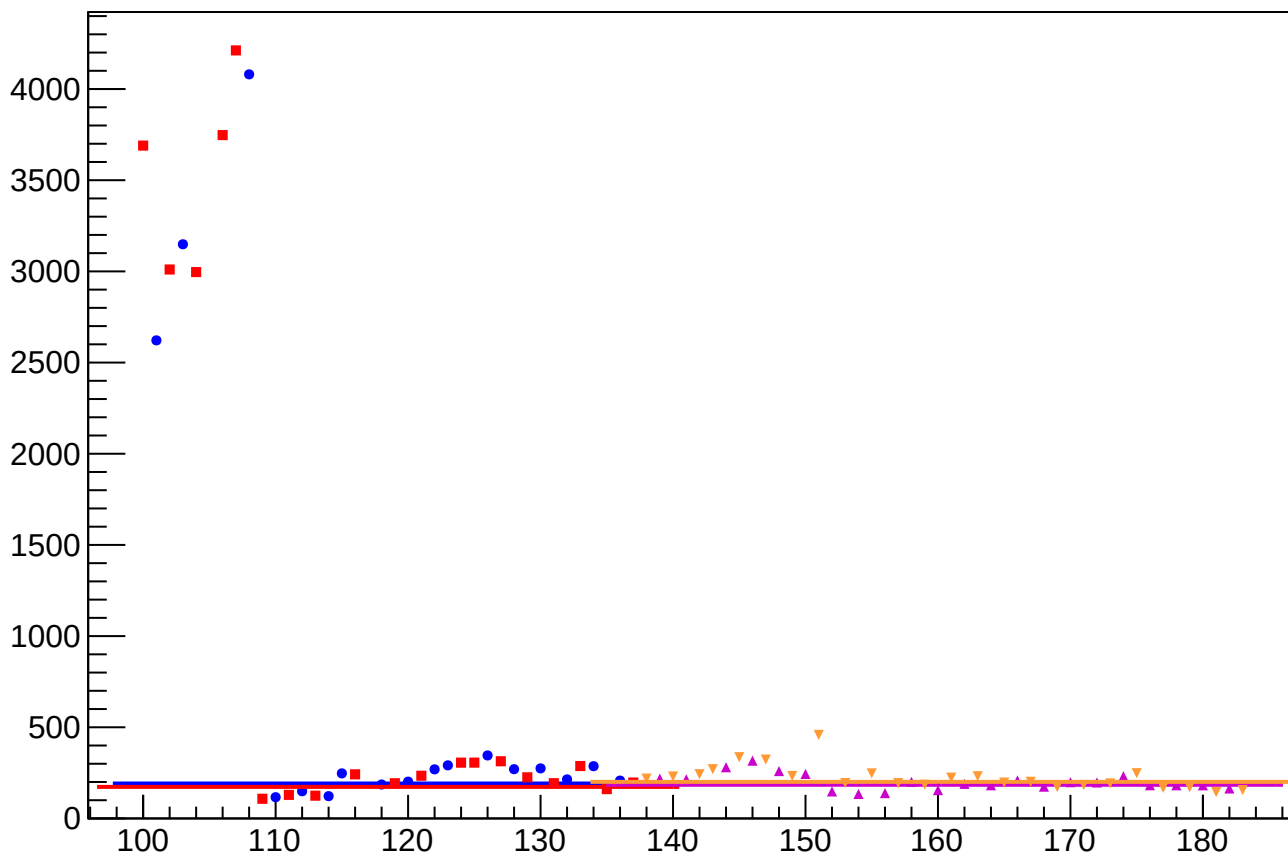
Right: 50.685+/-59.810 χ^2/NDF : 24.9/35

In: 41.847+/-41.131 χ^2/NDF : 20.3/38

Out: -9.350+/-41.804 χ^2/NDF : 19.2/42

All: 16.664+/-29.319 χ^2/NDF : 40.2/81

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.711 $\pm$ 0.063 χ^2 /NDF: 3575897.6/16

Left Out: 200.669 $\pm$ 0.035 χ^2 /NDF:1836147.4/23

Right Out: 173.097 $\pm$ 0.057 χ^2 /NDF: 4201745.6/18

Left In: 184.647 $\pm$ 0.033 χ^2 /NDF:1408345.0/21

Left: 192.255 $\pm$ 0.024 χ^2 /NDF: 3357645.5/45

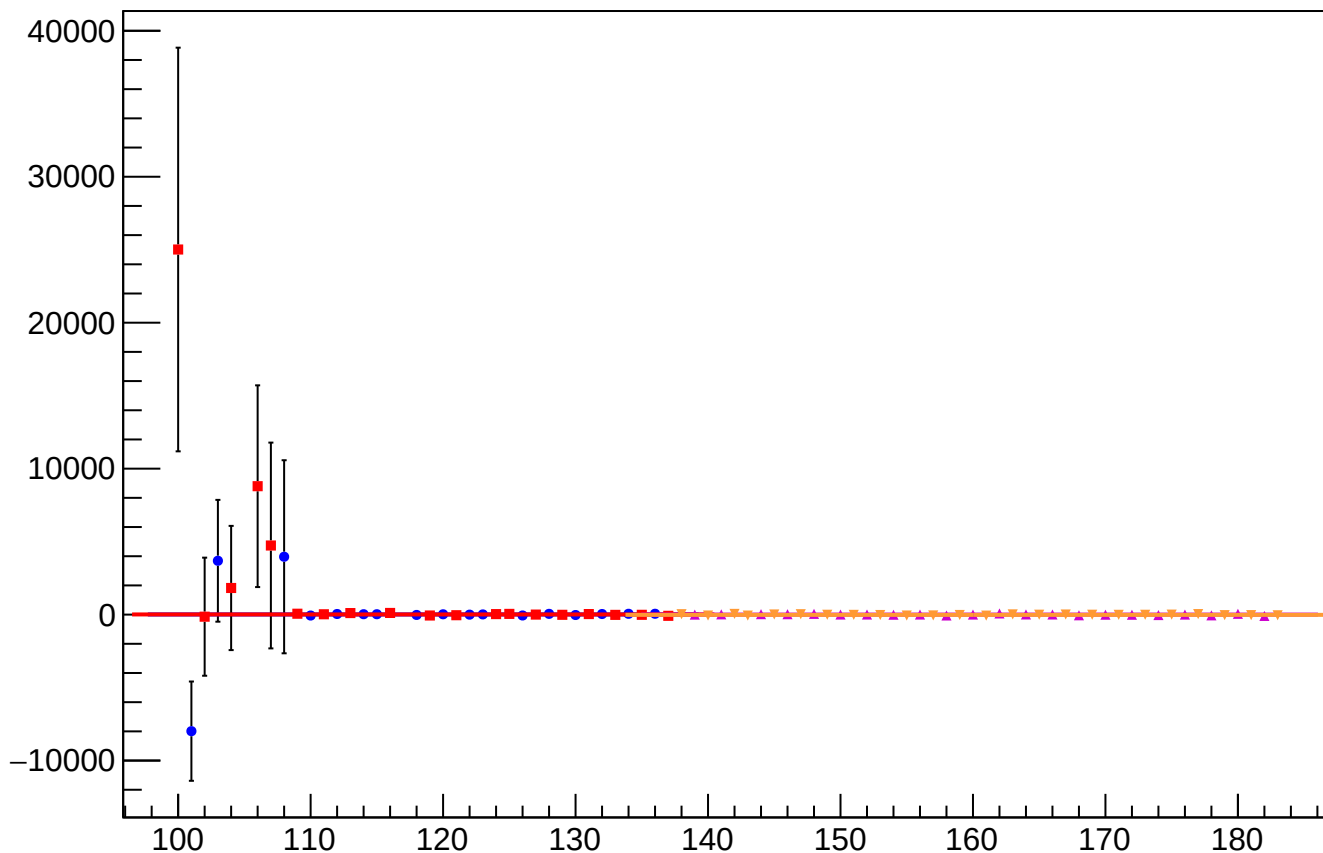
Right: 181.554 $\pm$ 0.042 χ^2 /NDF: 7825671.3/35

In: 186.165 $\pm$ 0.029 χ^2 /NDF:4994196.5/38

Out: 193.319 $\pm$ 0.030 χ^2 /NDF:6207989.9/42

All: 189.684 $\pm$ 0.021 χ^2 /NDF: 11231953.8/81

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.697+/-12.319 χ^2/NDF : 19.0/16

Left Out: -17.156+/-6.740 χ^2/NDF :22.0/23

Right Out: 11.602+/-12.269 χ^2/NDF : 24.3/18

Left In: 0.916+/-6.938 χ^2/NDF :32.4/21

Left: -8.382+/-4.834 χ^2/NDF : 57.9/45

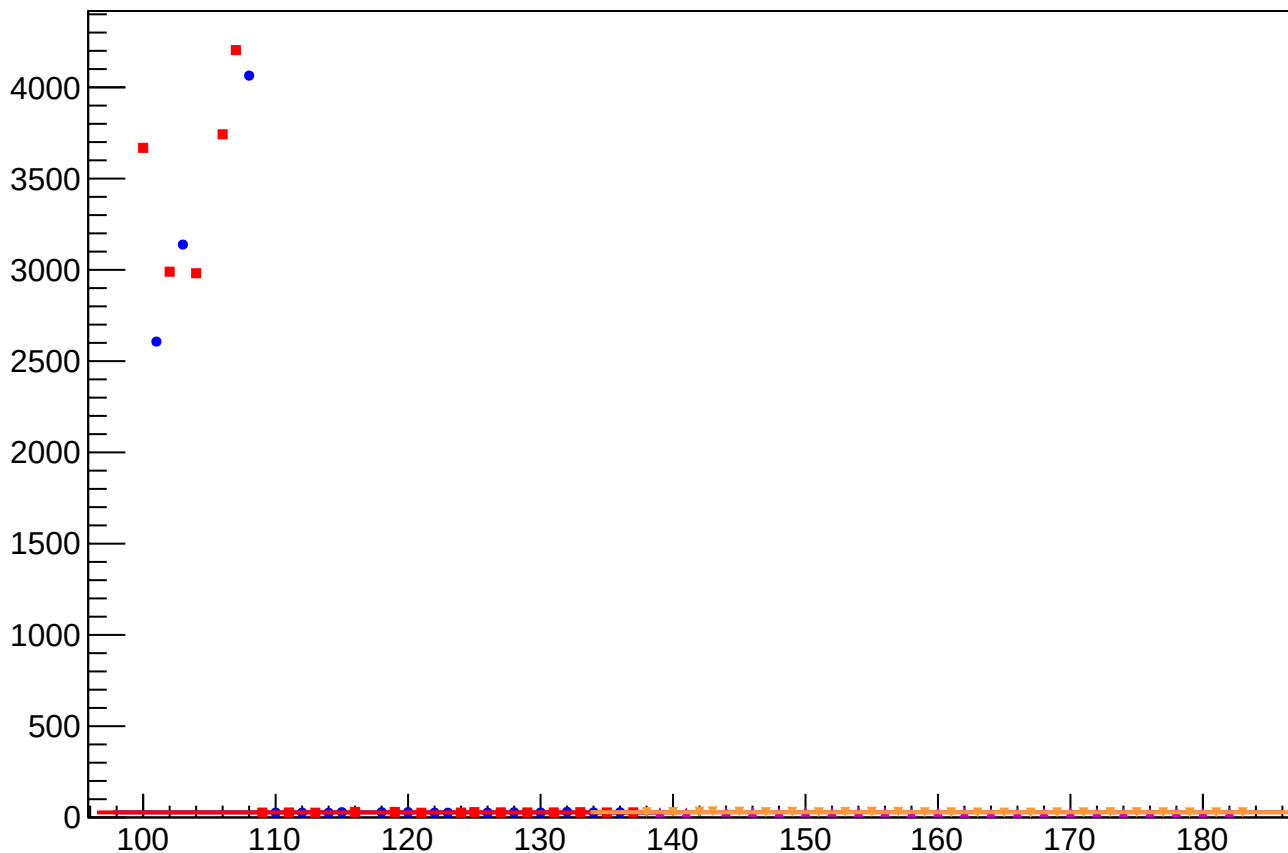
Right: 11.151+/-8.693 χ^2/NDF : 43.2/35

In: 3.271+/-6.045 χ^2/NDF :51.8/38

Out: -10.490+/-5.907 χ^2/NDF :50.5/42

All: -3.768+/-4.225 χ^2/NDF : 105.0/81

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.874+/-0.009 χ^2/NDF : 3027804.9/16

Left Out: 28.694+/-0.005 χ^2/NDF : 110456.7/23

Right Out: 27.715+/-0.009 χ^2/NDF : 3476945.4/18

Left In: 28.674+/-0.005 χ^2/NDF : 124743.5/21

Left: 28.684+/-0.003 χ^2/NDF : 235208.0/45

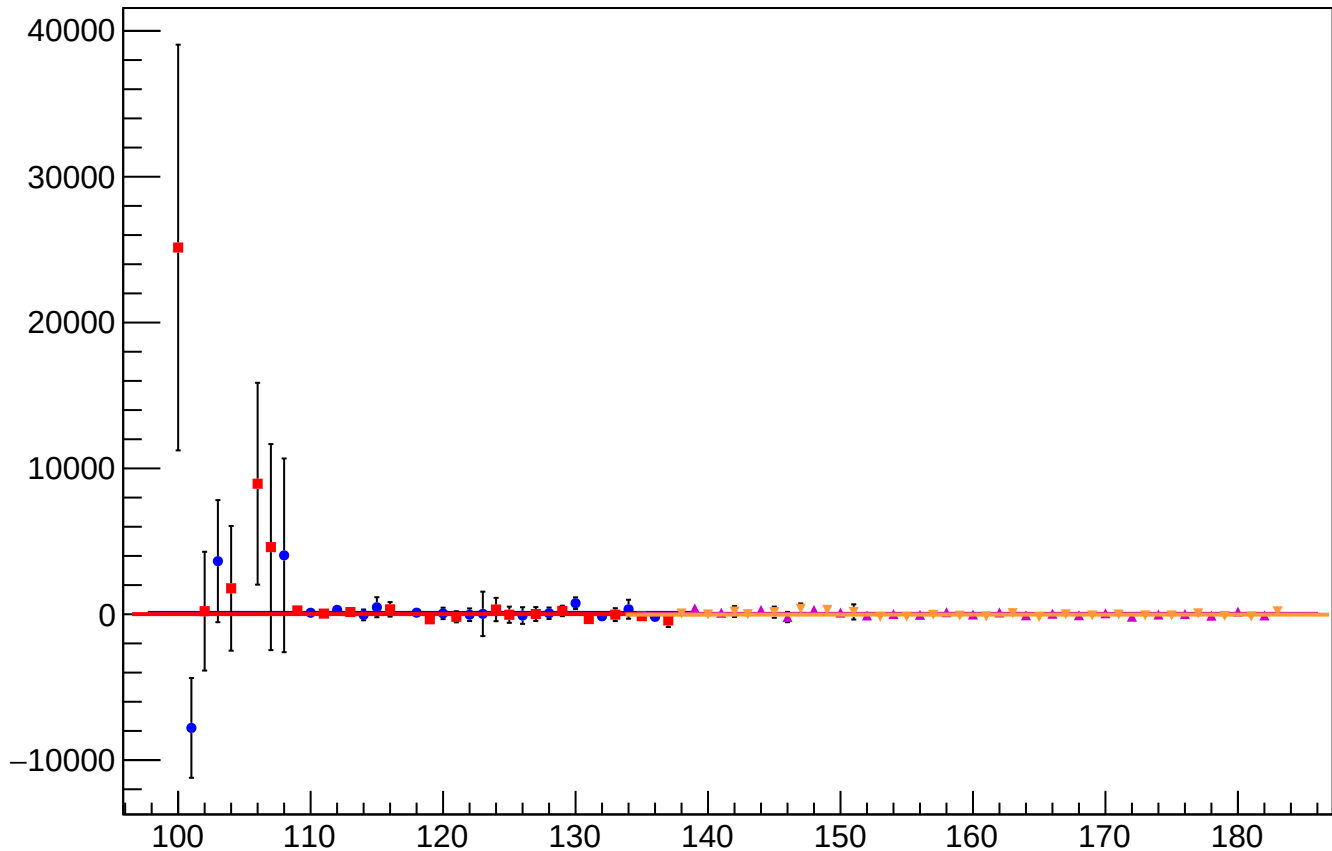
Right: 27.794+/-0.006 χ^2/NDF : 6504918.1/35

In: 28.482+/-0.004 χ^2/NDF : 3158962.6/38

Out: 28.467+/-0.004 χ^2/NDF : 3597186.1/42

All: 28.474+/-0.003 χ^2/NDF : 6756155.0/81

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 93.587+/-88.455 χ^2/NDF : 12.8/16

Left Out: -22.783+/-48.703 χ^2/NDF : 7.7/23

Right Out: 9.682+/-80.708 χ^2/NDF : 12.8/18

Left In: 28.547+/-46.326 χ^2/NDF : 7.8/21

Left: 4.166+/-33.566 χ^2/NDF : 16.1/45

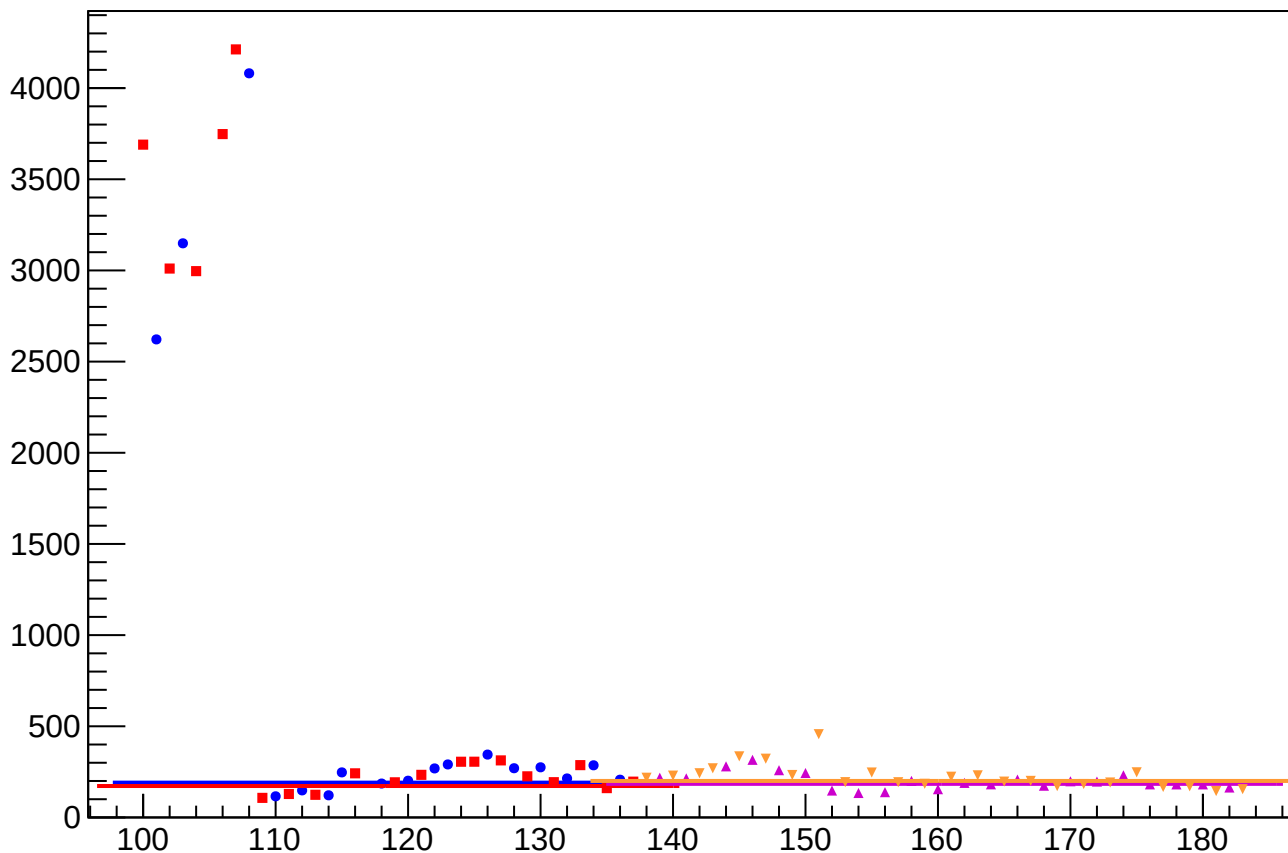
Right: 47.800+/-59.620 χ^2/NDF : 26.0/35

In: 42.547+/-41.038 χ^2/NDF : 20.9/38

Out: -14.116+/-41.699 χ^2/NDF : 20.7/42

All: 14.668+/-29.249 χ^2/NDF : 42.5/81

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.997 $\pm$ 0.063 χ^2 /NDF: 3587805.7/16

Left Out: 200.222 $\pm$ 0.034 χ^2 /NDF:1836119.3/23

Right Out: 172.430 $\pm$ 0.057 χ^2 /NDF: 4212918.4/18

Left In: 184.279 $\pm$ 0.033 χ^2 /NDF:1407894.8/21

Left: 191.852 $\pm$ 0.024 χ^2 /NDF: 3356532.6/45

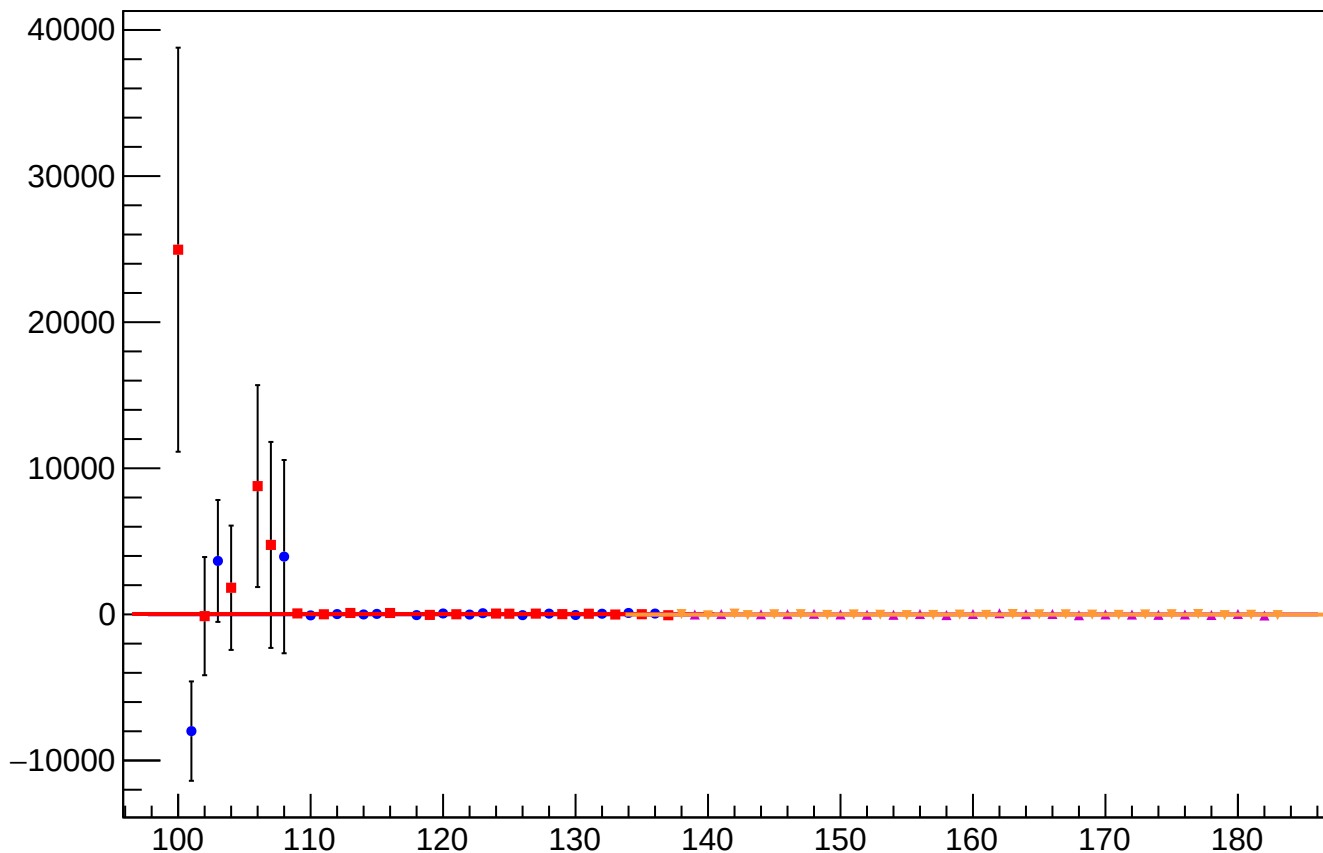
Right: 180.865 $\pm$ 0.042 χ^2 /NDF: 7848812.4/35

In: 185.725 $\pm$ 0.029 χ^2 /NDF:5004755.2/38

Out: 192.803 $\pm$ 0.029 χ^2 /NDF:6222886.4/42

All: 189.207 $\pm$ 0.021 χ^2 /NDF: 11256914.2/81

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 7.963+/-12.403 χ^2/NDF : 22.9/16

Left Out: -14.445+/-6.770 χ^2/NDF : 17.0/23

Right Out: 28.182+/-12.369 χ^2/NDF : 16.5/18

Left In: -0.424+/-6.968 χ^2/NDF : 26.3/21

Left: -7.636+/-4.856 χ^2/NDF : 45.3/45

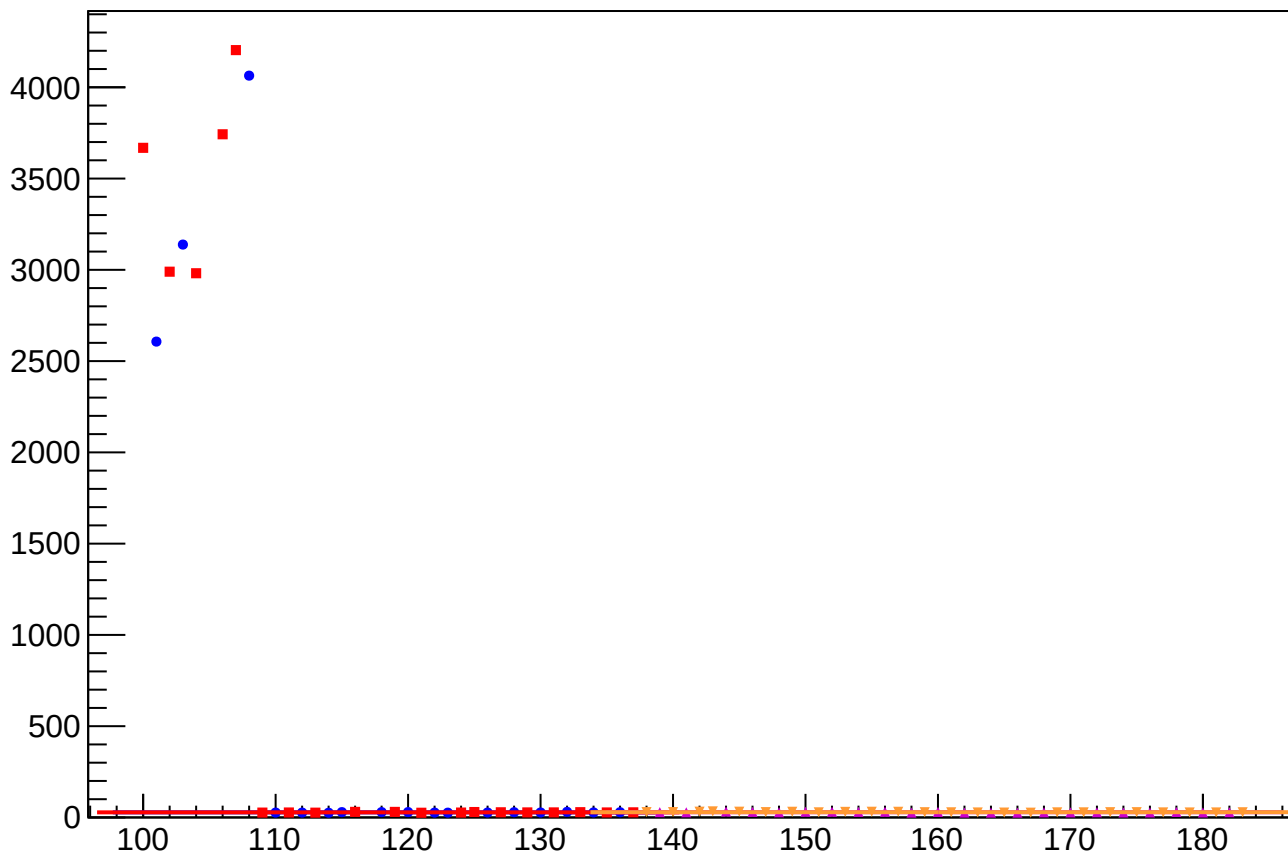
Right: 18.100+/-8.758 χ^2/NDF : 40.7/35

In: 1.588+/-6.075 χ^2/NDF : 49.5/38

Out: -4.619+/-5.939 χ^2/NDF : 42.6/42

All: -1.585+/-4.247 χ^2/NDF : 92.6/81

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.059+/-0.009 χ^2/NDF : 3028297.0/16

Left Out: 28.818+/-0.005 χ^2/NDF :121891.6/23

Right Out: 27.935+/-0.009 χ^2/NDF : 3479859.0/18

Left In: 28.797+/-0.005 χ^2/NDF :129352.3/21

Left: 28.807+/-0.003 χ^2/NDF : 251253.5/45

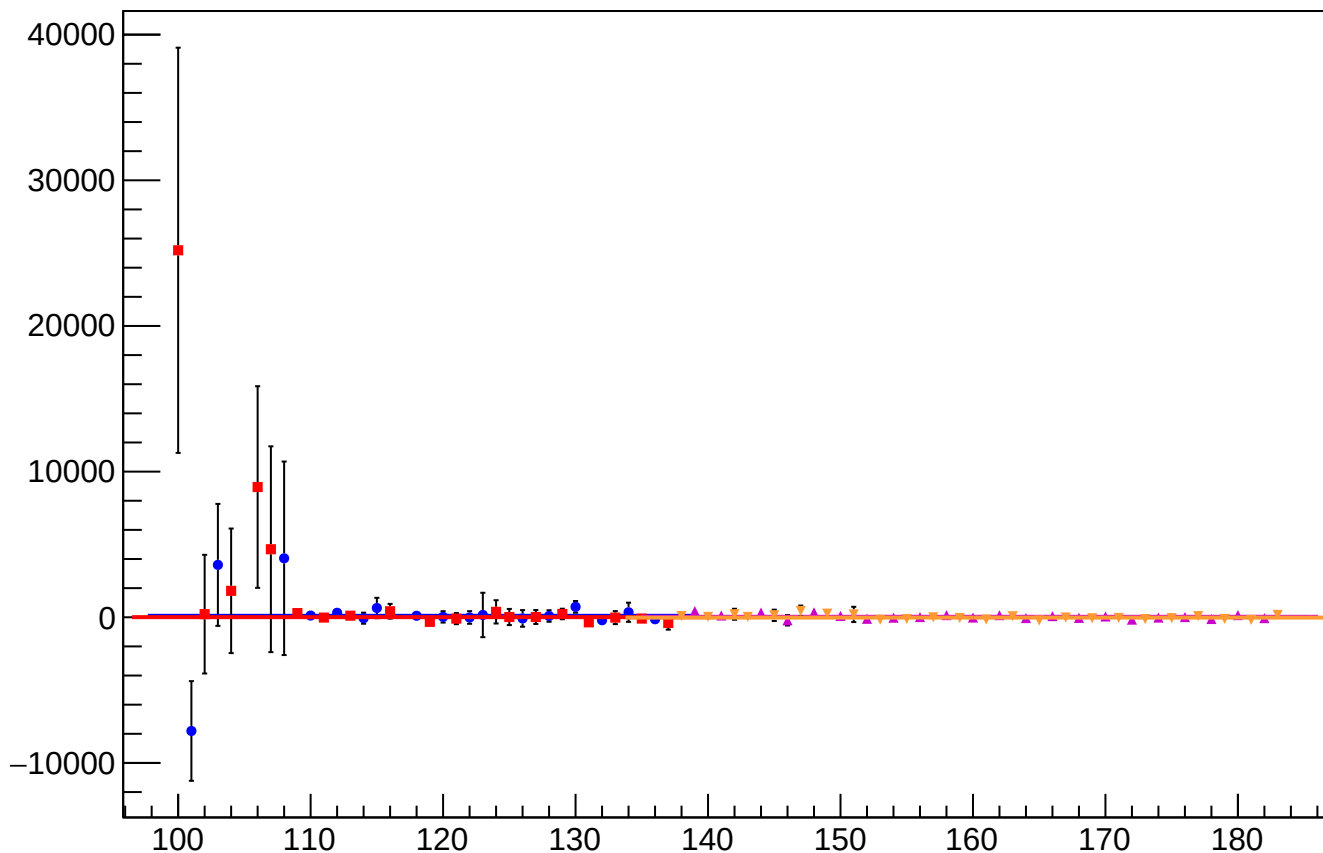
Right: 27.997+/-0.006 χ^2/NDF : 6508255.5/35

In: 28.620+/-0.004 χ^2/NDF :3163025.8/38

Out: 28.614+/-0.004 χ^2/NDF :3609582.9/42

All: 28.617+/-0.003 χ^2/NDF : 6772609.4/81

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 99.706 $\pm$ 89.513 χ^2 /NDF: 12.6/16

Left Out: -20.159 $\pm$ 49.283 χ^2 /NDF: 7.6/23

Right Out: 8.453 $\pm$ 81.796 χ^2 /NDF: 12.3/18

Left In: 32.238 $\pm$ 46.902 χ^2 /NDF: 8.1/21

Left: 7.336 $\pm$ 33.975 χ^2 /NDF: 16.4/45

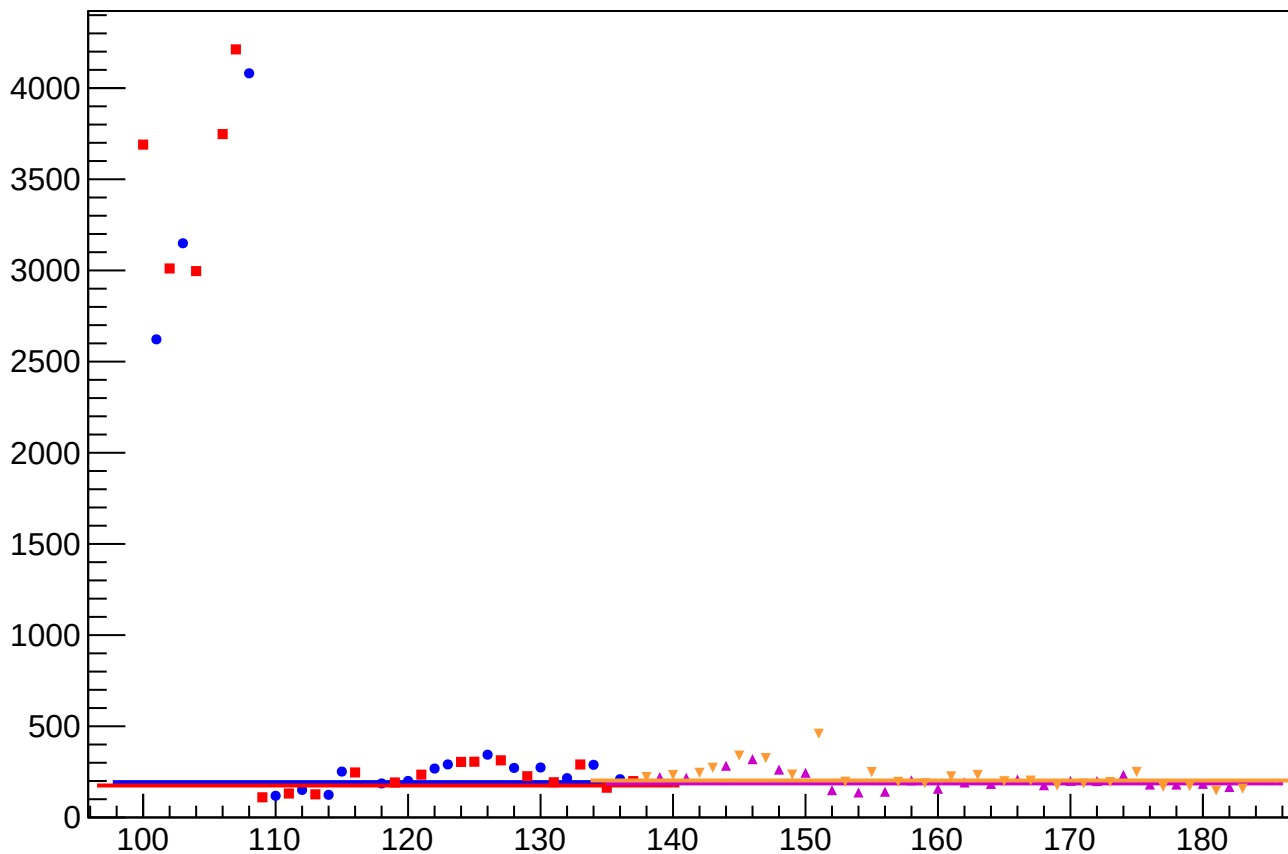
Right: 49.977 $\pm$ 60.383 χ^2 /NDF: 25.5/35

In: 46.771 $\pm$ 41.545 χ^2 /NDF: 21.2/38

Out: -12.538 $\pm$ 42.213 χ^2 /NDF: 20.0/42

All: 17.590 $\pm$ 29.610 χ^2 /NDF: 42.2/81

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.748+/-0.063 χ^2/NDF : 3539977.5/16

Left Out: 202.712+/-0.035 χ^2/NDF :1815038.8/23

Right Out: 175.305+/-0.058 χ^2/NDF : 4160397.0/18

Left In: 186.708+/-0.033 χ^2/NDF :1377086.1/21

Left: 194.314+/-0.024 χ^2/NDF : 3302801.9/45

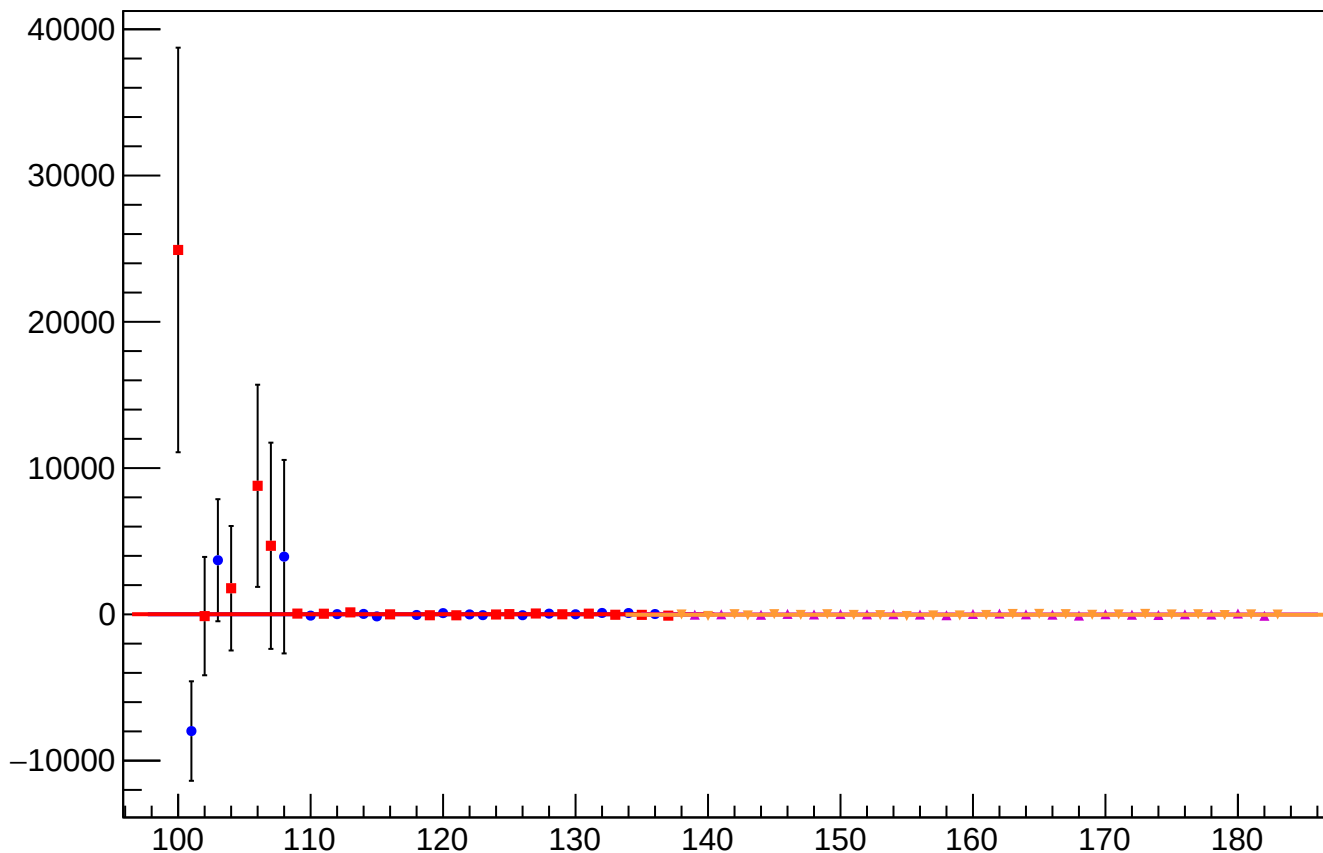
Right: 183.697+/-0.043 χ^2/NDF : 7746640.5/35

In: 188.224+/-0.029 χ^2/NDF :4926769.9/38

Out: 195.413+/-0.030 χ^2/NDF :6140171.1/42

All: 191.761+/-0.021 χ^2/NDF : 11096402.6/81

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.968 $\pm$ 15.099 χ^2 /NDF: 20.2/16

Left Out: -24.317 $\pm$ 8.118 χ^2 /NDF:24.8/23

Right Out: 11.301 $\pm$ 14.995 χ^2 /NDF: 21.5/18

Left In: -5.430 $\pm$ 8.377 χ^2 /NDF:20.8/21

Left: -15.170 $\pm$ 5.829 χ^2 /NDF: 48.2/45

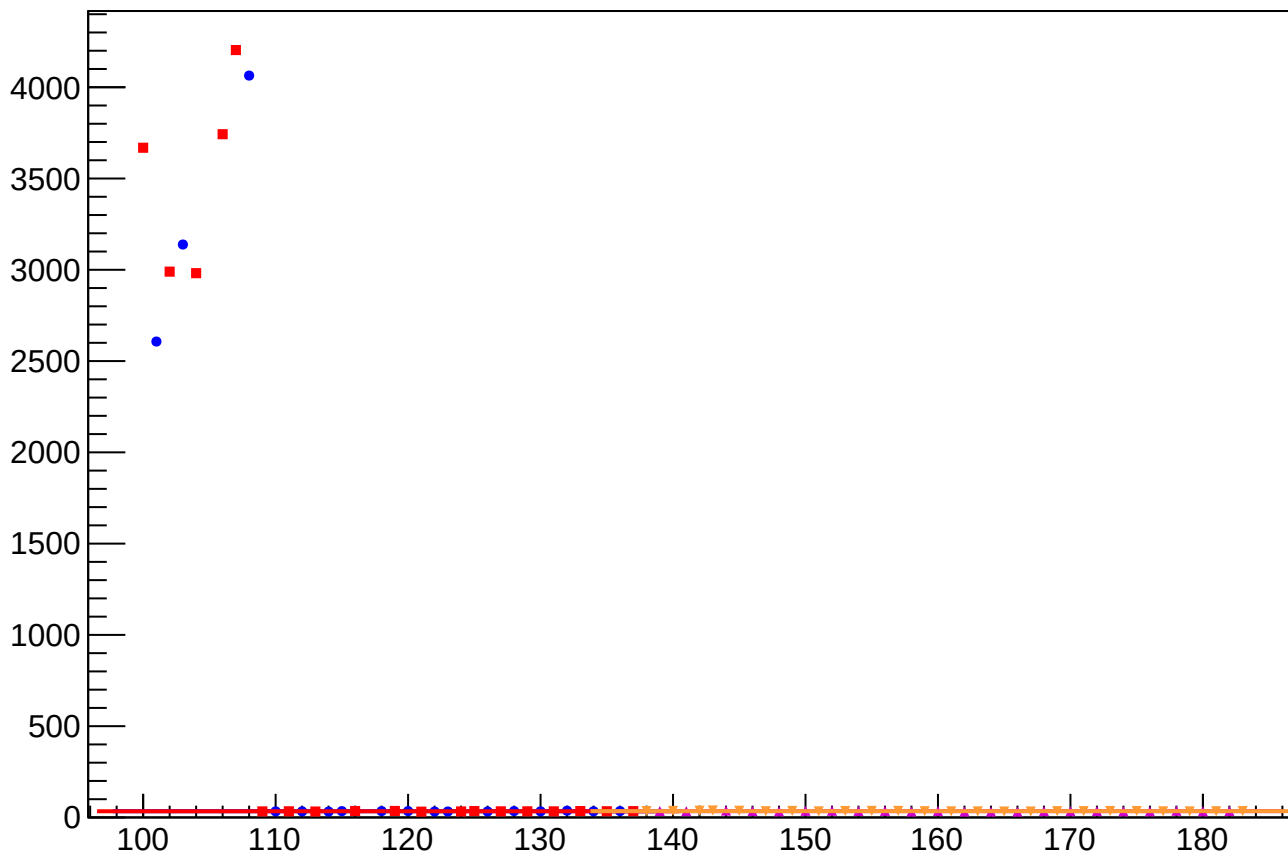
Right: 9.149 $\pm$ 10.640 χ^2 /NDF: 41.7/35

In: -2.512 $\pm$ 7.325 χ^2 /NDF:41.6/38

Out: -16.244 $\pm$ 7.139 χ^2 /NDF:50.6/42

All: -9.555 $\pm$ 5.112 χ^2 /NDF: 94.0/81

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.196+/-0.011 χ^2/NDF : 3006449.1/16

Left Out: 34.608+/-0.006 χ^2/NDF : 57852.6/23

Right Out: 33.933+/-0.011 χ^2/NDF : 3452016.9/18

Left In: 34.681+/-0.006 χ^2/NDF : 60286.3/21

Left: 34.643+/-0.004 χ^2/NDF : 118217.1/45

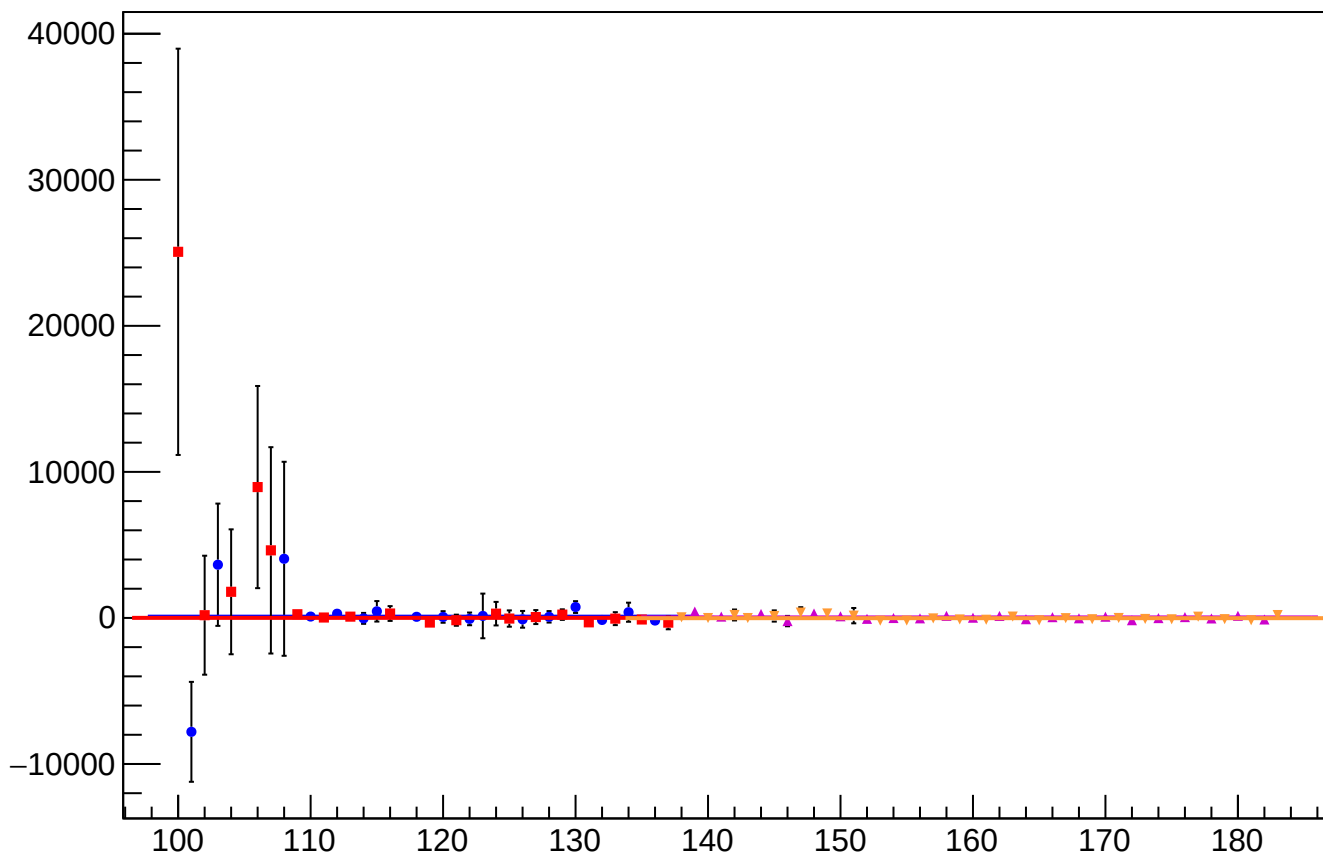
Right: 34.064+/-0.008 χ^2/NDF : 6458772.8/35

In: 34.567+/-0.005 χ^2/NDF : 3068310.2/38

Out: 34.455+/-0.005 χ^2/NDF : 3513004.8/42

All: 34.510+/-0.004 χ^2/NDF : 6581554.5/81

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 87.034+/-89.059 χ^2/NDF : 12.5/16

Left Out: -16.562+/-49.214 χ^2/NDF : 7.6/23

Right Out: 5.093+/-81.280 χ^2/NDF : 11.1/18

Left In: 36.125+/-46.843 χ^2/NDF : 7.3/21

Left: 11.081+/-33.930 χ^2/NDF : 15.6/45

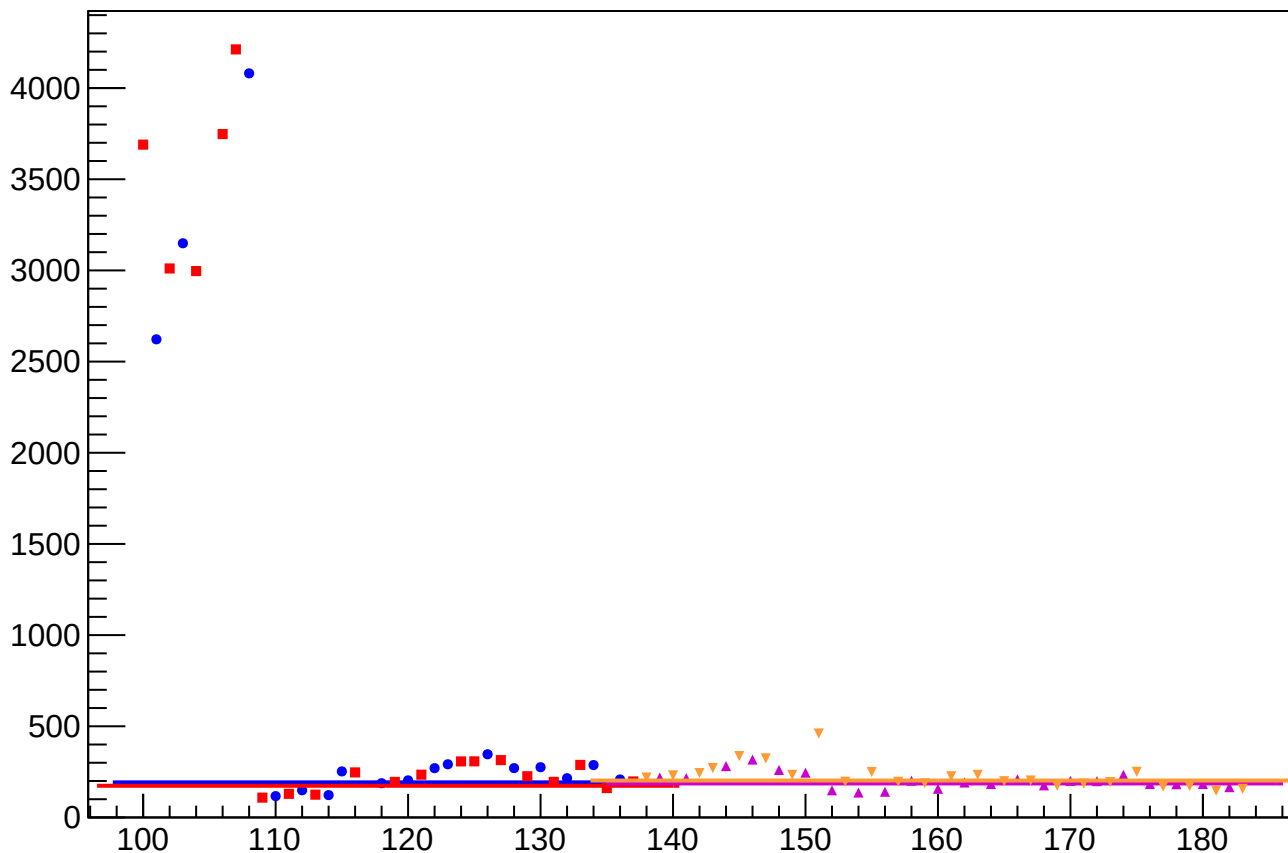
Right: 42.329+/-60.036 χ^2/NDF : 24.1/35

In: 47.157+/-41.458 χ^2/NDF : 20.1/38

Out: -10.753+/-42.098 χ^2/NDF : 18.8/42

All: 18.646+/-29.539 χ^2/NDF : 39.9/81

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.416+/-0.063 χ^2/NDF : 3577822.3/16

Left Out: 202.429+/-0.035 χ^2/NDF :1807315.0/23

Right Out: 173.760+/-0.057 χ^2/NDF : 4205861.6/18

Left In: 186.473+/-0.033 χ^2/NDF :1366718.8/21

Left: 194.058+/-0.024 χ^2/NDF : 3284340.0/45

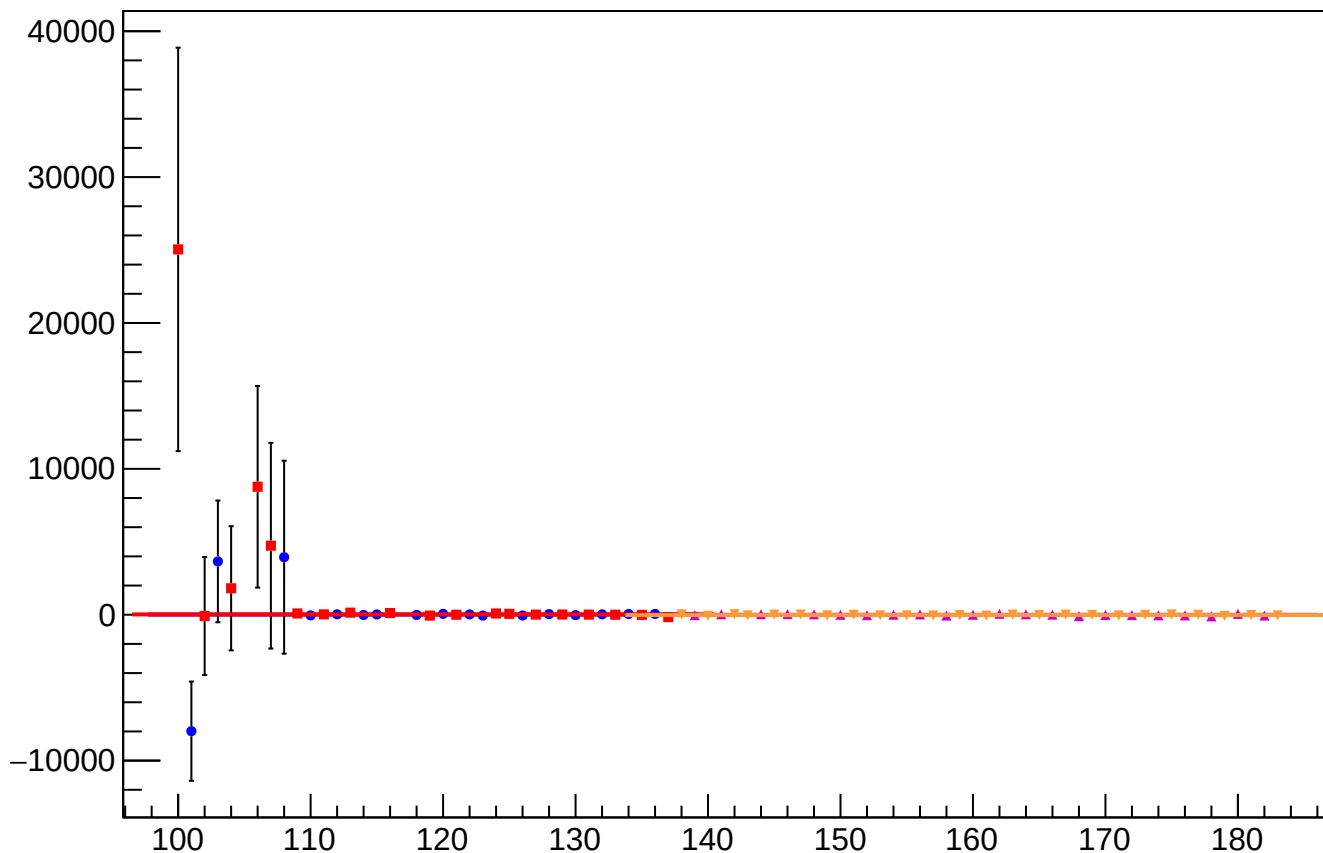
Right: 182.238+/-0.042 χ^2/NDF : 7831562.8/35

In: 187.761+/-0.029 χ^2/NDF :4951517.1/38

Out: 194.738+/-0.030 χ^2/NDF :6195247.5/42

All: 191.196+/-0.021 χ^2/NDF : 11174656.9/81

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.332+/-13.769 χ^2/NDF : 14.5/16

Left Out: -22.123+/-7.389 χ^2/NDF :18.0/23

Right Out: 22.098+/-13.701 χ^2/NDF : 27.9/18

Left In: -5.925+/-7.612 χ^2/NDF :38.3/21

Left: -14.265+/-5.302 χ^2/NDF : 58.6/45

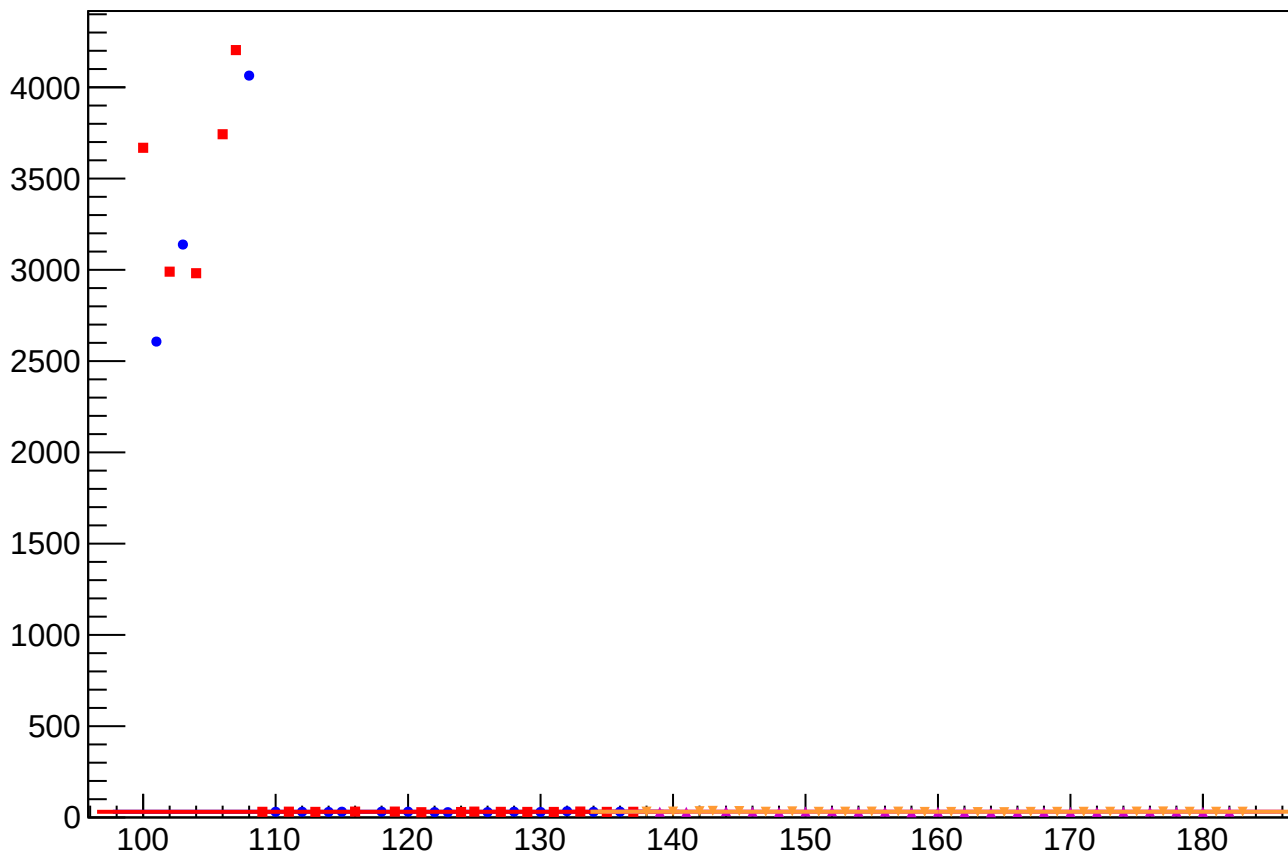
Right: 17.239+/-9.712 χ^2/NDF : 42.7/35

In: -1.652+/-6.661 χ^2/NDF :54.2/38

Out: -12.160+/-6.503 χ^2/NDF :53.9/42

All: -7.032+/-4.653 χ^2/NDF : 109.4/81

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.184+/-0.010 χ^2/NDF : 3014248.1/16

Left Out: 31.476+/-0.005 χ^2/NDF : 82339.9/23

Right Out: 30.984+/-0.010 χ^2/NDF : 3458879.7/18

Left In: 31.480+/-0.005 χ^2/NDF : 87946.5/21

Left: 31.478+/-0.004 χ^2/NDF : 170286.7/45

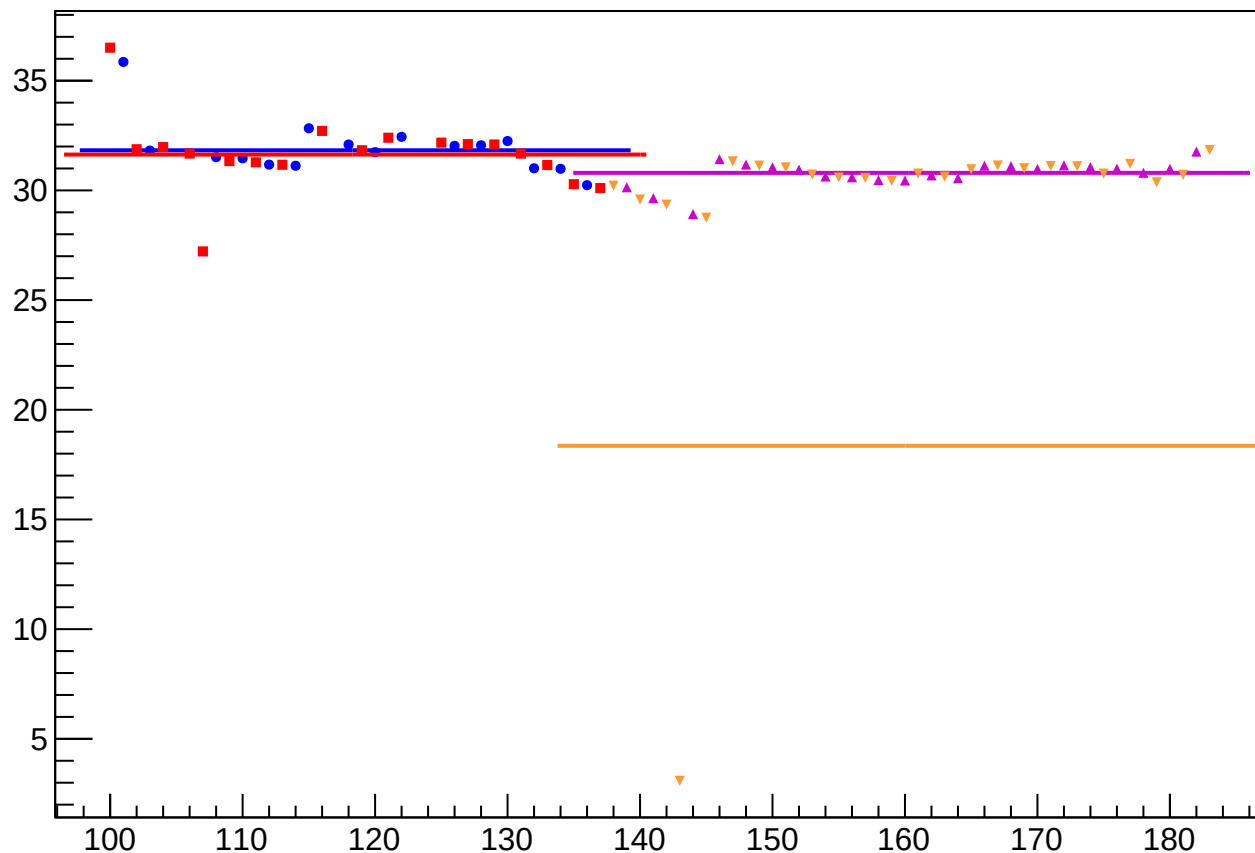
Right: 31.084+/-0.007 χ^2/NDF : 6473339.7/35

In: 31.411+/-0.005 χ^2/NDF : 3102903.0/38

Out: 31.365+/-0.005 χ^2/NDF : 3543213.1/42

All: 31.388+/-0.003 χ^2/NDF : 6646165.0/81

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.828 $\pm$ 0.000 χ^2 /NDF: 1553310195.5/15

Left Out: 18.356 $\pm$ 0.000 χ^2 /NDF: 930421974352.8/23

Right Out: 31.633 $\pm$ 0.000 χ^2 /NDF: 860874235.3/17

Left In: 30.800 $\pm$ 0.000 χ^2 /NDF: 809683221.3/21

Left: 22.682 $\pm$ 0.000 χ^2 /NDF: 1195365738422.3/45

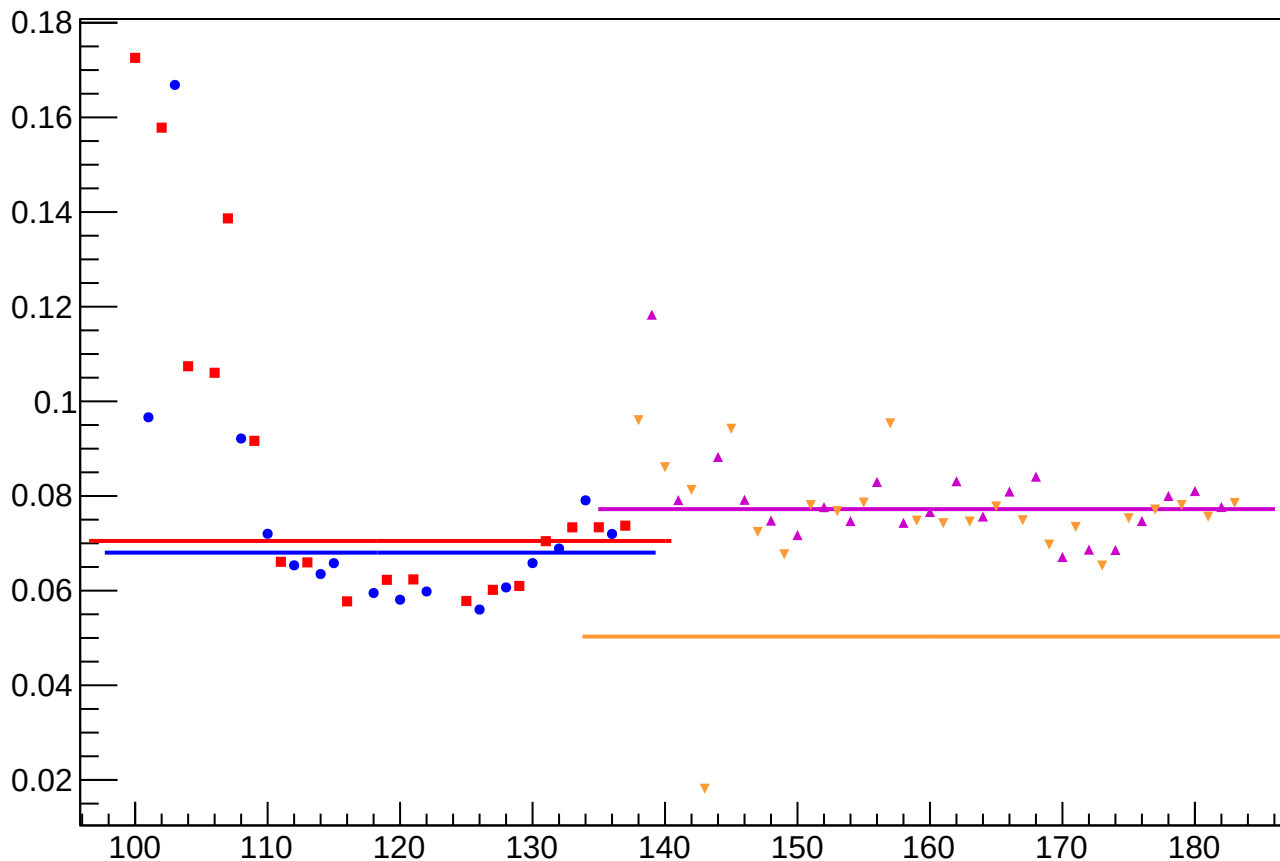
Right: 31.733 $\pm$ 0.000 χ^2 /NDF: 2437244859.0/33

In: 31.131 $\pm$ 0.000 χ^2 /NDF: 3253927622.0/37

Out: 20.940 $\pm$ 0.000 χ^2 /NDF: 1099645118973.2/41

All: 24.892 $\pm$ 0.000 χ^2 /NDF: 1348236493594.0/100

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 632212.4/15

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8513535.6/23

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 838852.0/17

Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:320941.8/21

Left: 0.060 $\pm$ 0.000 χ^2 /NDF: 11308204.2/45

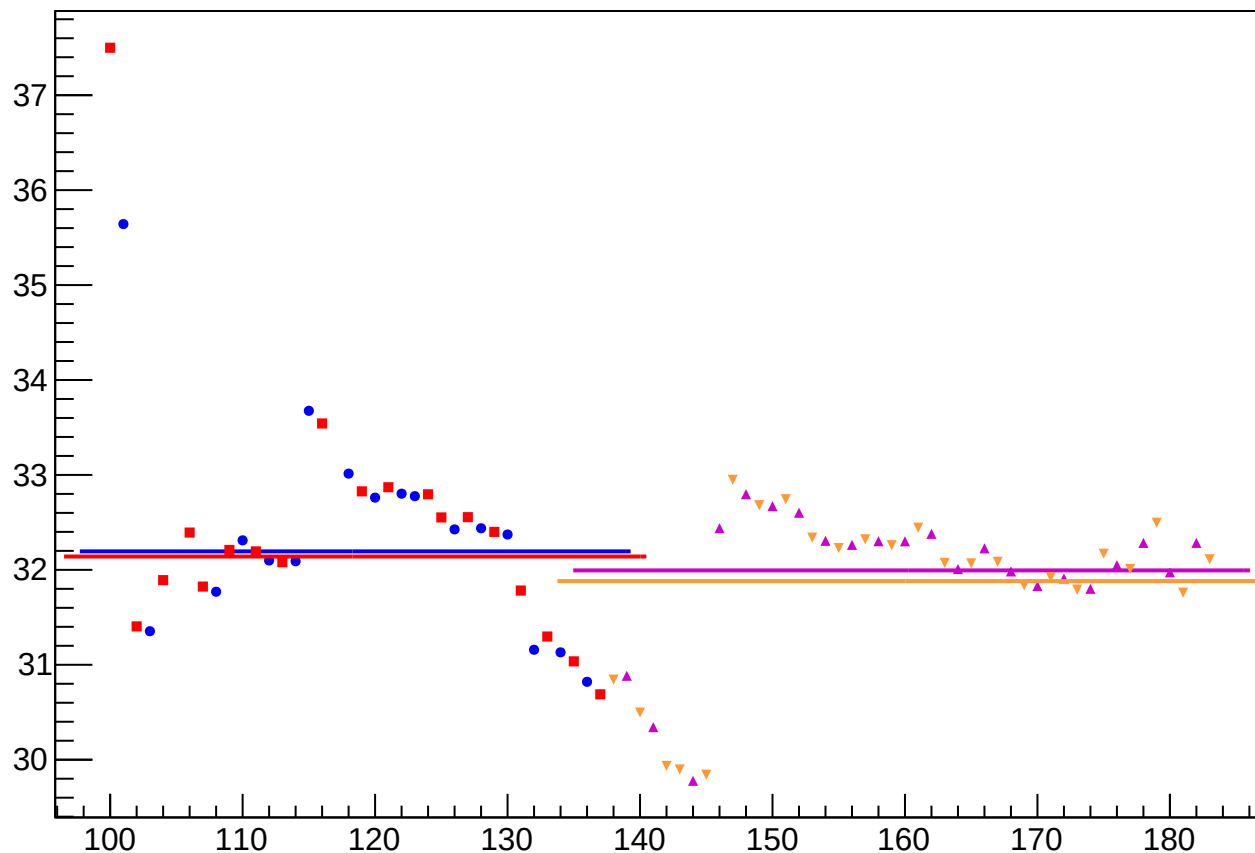
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1478459.9/33

In: 0.074 $\pm$ 0.000 χ^2 /NDF:1095651.5/37

Out: 0.054 $\pm$ 0.000 χ^2 /NDF:10131927.7/41

All: 0.062 $\pm$ 0.000 χ^2 /NDF: 13123521.1/79

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.195+/-0.000 χ^2/NDF : 1002008039.3/16

Left Out: 31.882+/-0.000 χ^2/NDF : 1975293519.4/23

Right Out: 32.140+/-0.000 χ^2/NDF : 421423009.8/18

Left In: 31.994+/-0.000 χ^2/NDF : 1404180199.7/21

Left: 31.937+/-0.000 χ^2/NDF : 3396970121.7/45

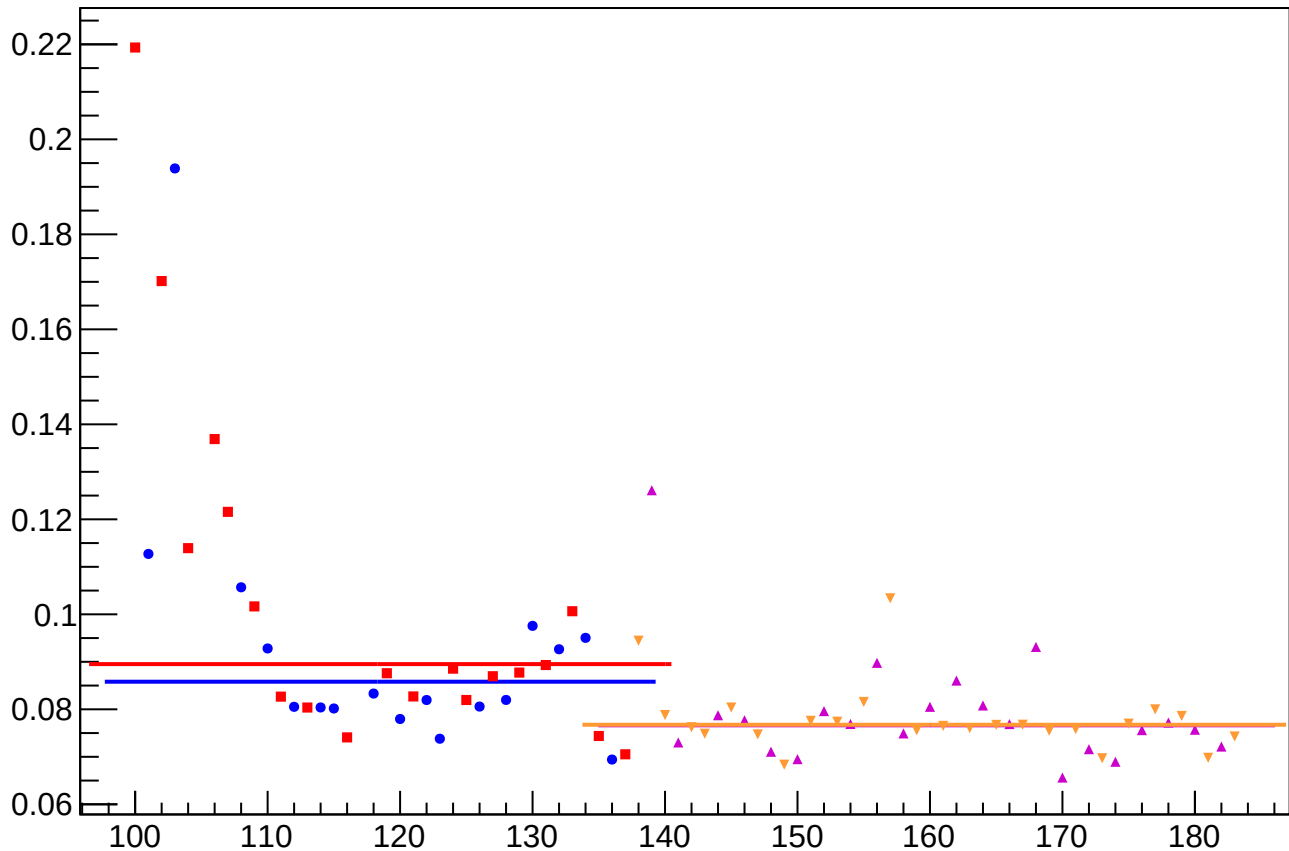
Right: 32.168+/-0.000 χ^2/NDF : 1424570223.8/35

In: 32.039+/-0.000 χ^2/NDF : 2430577192.5/38

Out: 31.937+/-0.000 χ^2/NDF : 2436971016.1/42

All: 31.987+/-0.000 χ^2/NDF : 4886198469.7/80

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 554772.3/16

Left Out: 0.077+/-0.000 χ^2/NDF : 201508.3/23

Right Out: 0.090+/-0.000 χ^2/NDF : 539119.2/18

Left In: 0.077+/-0.000 χ^2/NDF : 427819.6/21

Left: 0.077+/-0.000 χ^2/NDF : 629368.9/45

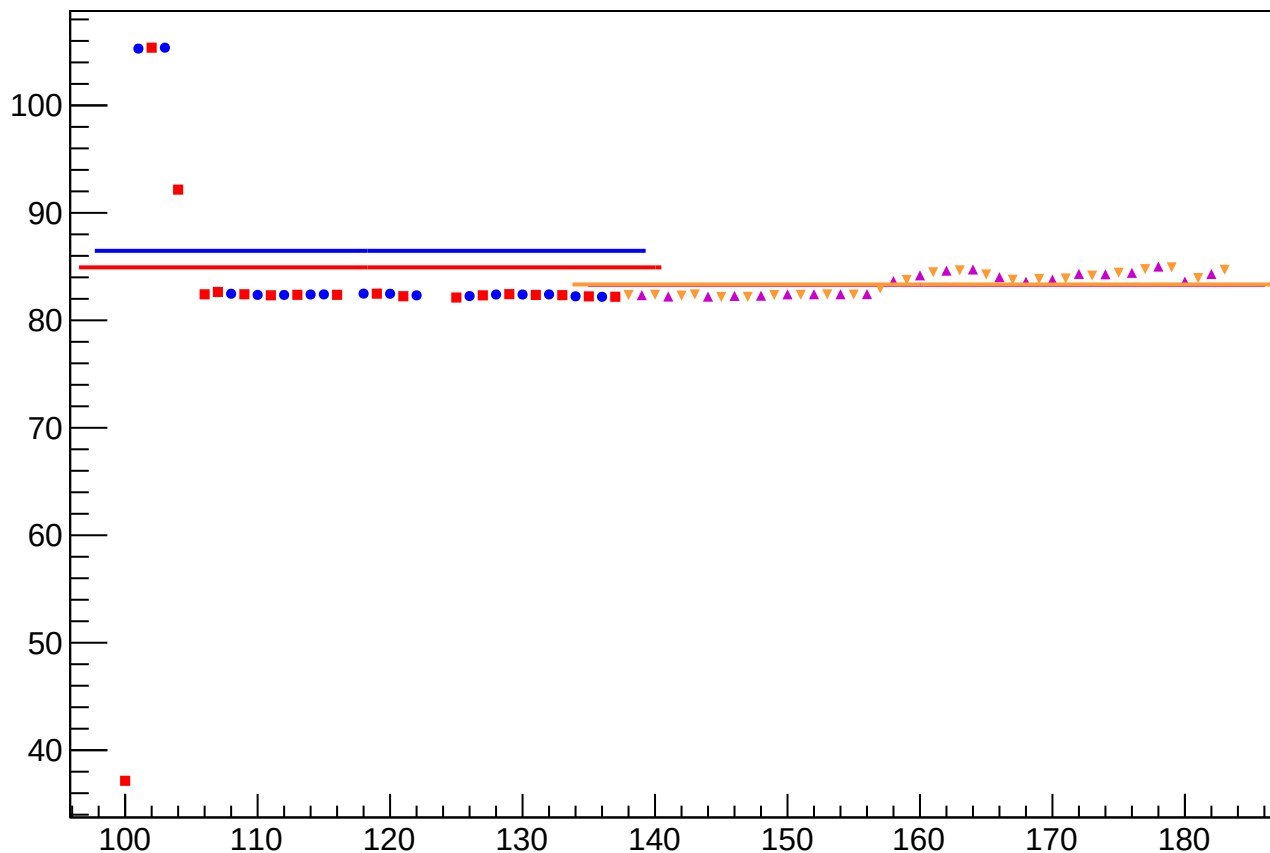
Right: 0.088+/-0.000 χ^2/NDF : 1104533.7/35

In: 0.079+/-0.000 χ^2/NDF : 1085077.7/38

Out: 0.079+/-0.000 χ^2/NDF : 936744.5/42

All: 0.079+/-0.000 χ^2/NDF : 2023910.4/81

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.468+/-0.000

χ^2/NDF : 291253714999.8/15

Left: 83.311+/-0.000

χ^2/NDF : 16979526553.0/45

Left Out: 83.335+/-0.000

χ^2/NDF : 8870918393.5/23

Right: 85.685+/-0.000

χ^2/NDF : 467884612641.3/33

Right Out: 84.929+/-0.000

χ^2/NDF : 172101973960.6/17

In: 84.285+/-0.000

χ^2/NDF : 325452126785.0/37

Out: 83.832+/-0.000

χ^2/NDF : 187774206715.1/41

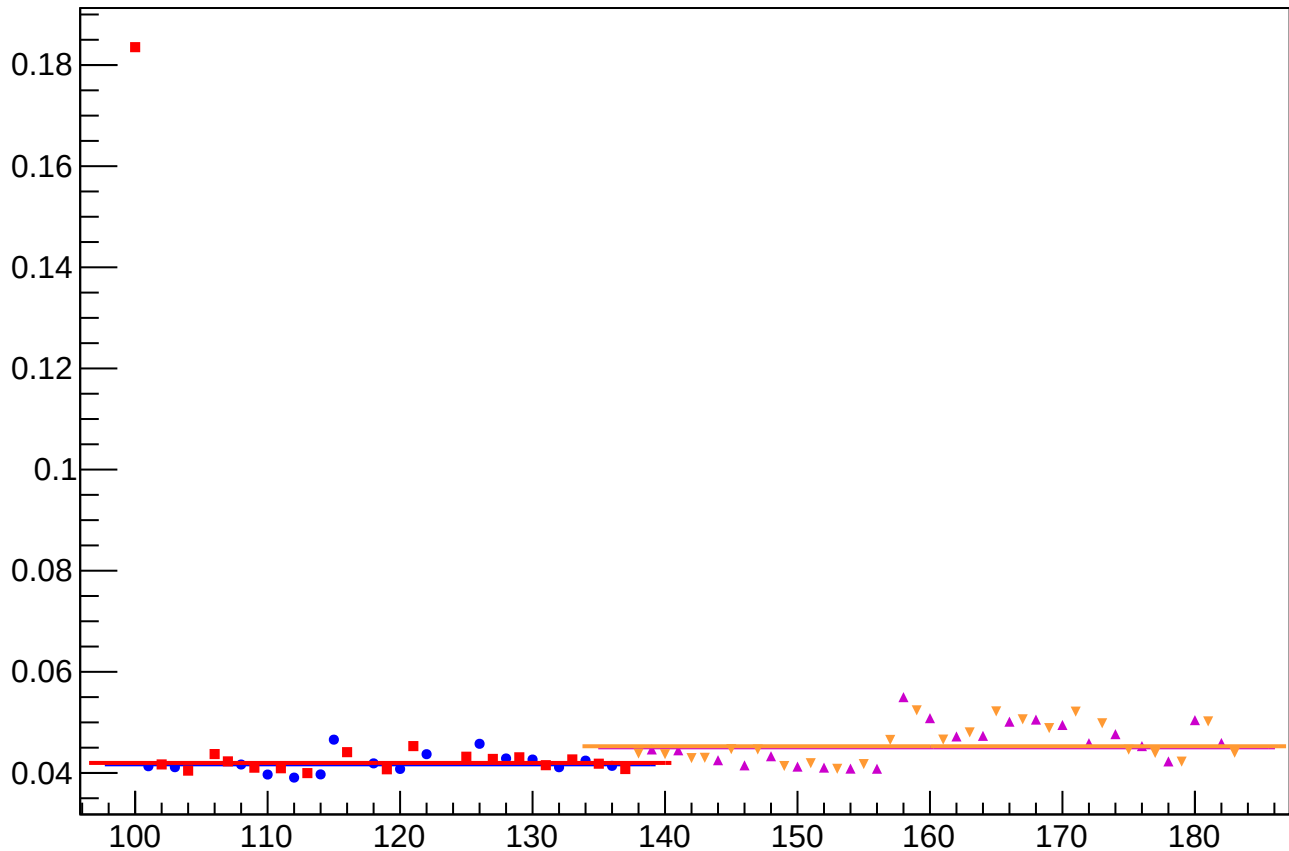
Left In: 83.286+/-0.000

χ^2/NDF : 8098399974.2/21

All: 84.054+/-0.000

χ^2/NDF : 514482215900.0/100

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 19442.4/15

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:209742.9/23

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96987.8/17

Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:236630.2/21

Left: 0.045 $\pm$ 0.000 χ^2 /NDF: 446739.3/45

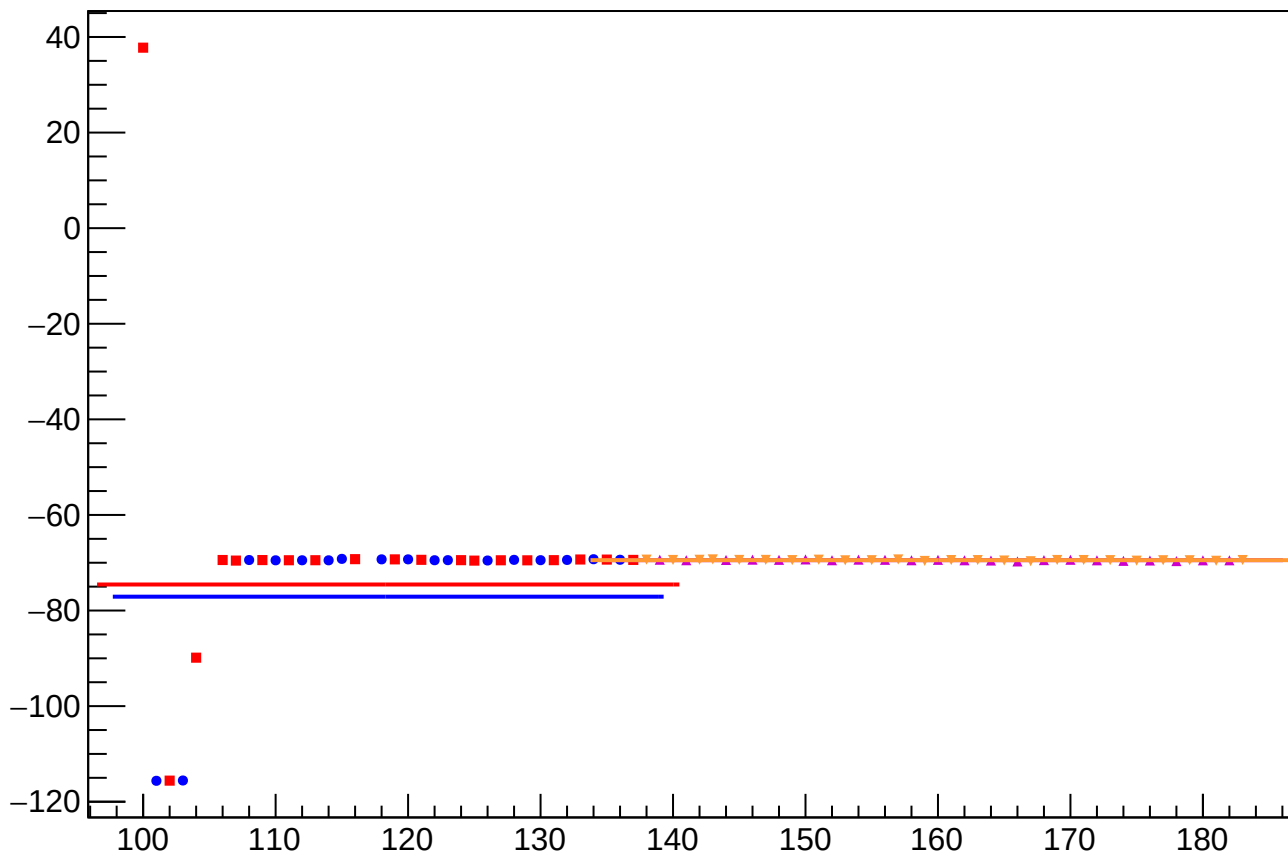
Right: 0.042 $\pm$ 0.000 χ^2 /NDF: 116719.0/33

In: 0.044 $\pm$ 0.000 χ^2 /NDF:314409.9/37

Out: 0.044 $\pm$ 0.000 χ^2 /NDF:364993.6/41

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 680092.8/79

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.101+/-0.000 χ^2/NDF : 564992278701.1/16

Left Out: -69.463+/-0.000 χ^2/NDF : 48915280.1/23

Right Out: -74.552+/-0.000 χ^2/NDF : 371830924165.2/18

Left In: -69.460+/-0.000 χ^2/NDF : 51964664.6/21

Left: -69.461+/-0.000 χ^2/NDF : 100900838.7/45

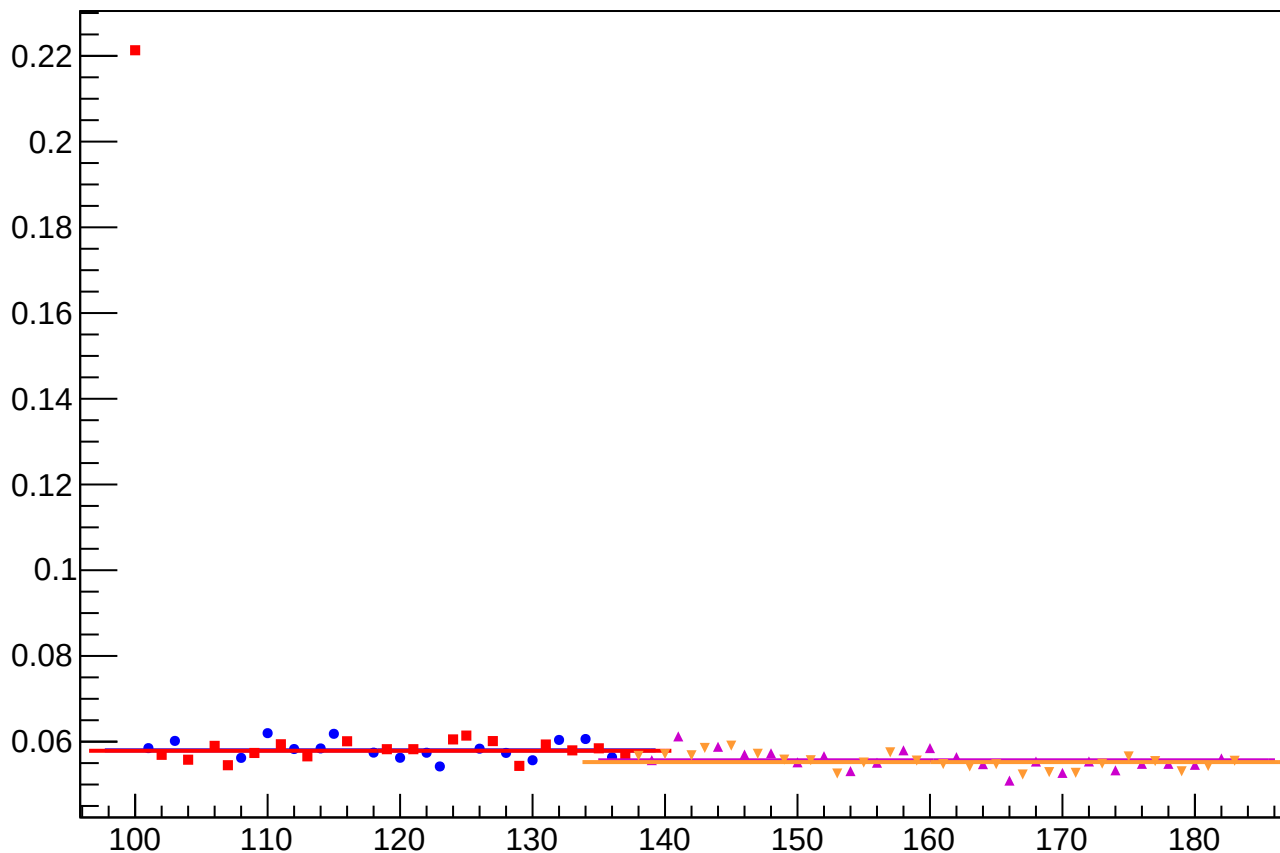
Right: -75.784+/-0.000 χ^2/NDF : 943228509649.0/3

In: -71.469+/-0.000 χ^2/NDF : 647176622246.3/38

Out: -70.796+/-0.000 χ^2/NDF : 410887257067.0/42

All: -71.121+/-0.000 χ^2/NDF : 105976375313

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12317.7/16

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38148.9/23

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 87700.9/18

Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:50004.0/21

Left: 0.055 $\pm$ 0.000 χ^2 /NDF: 89120.6/45

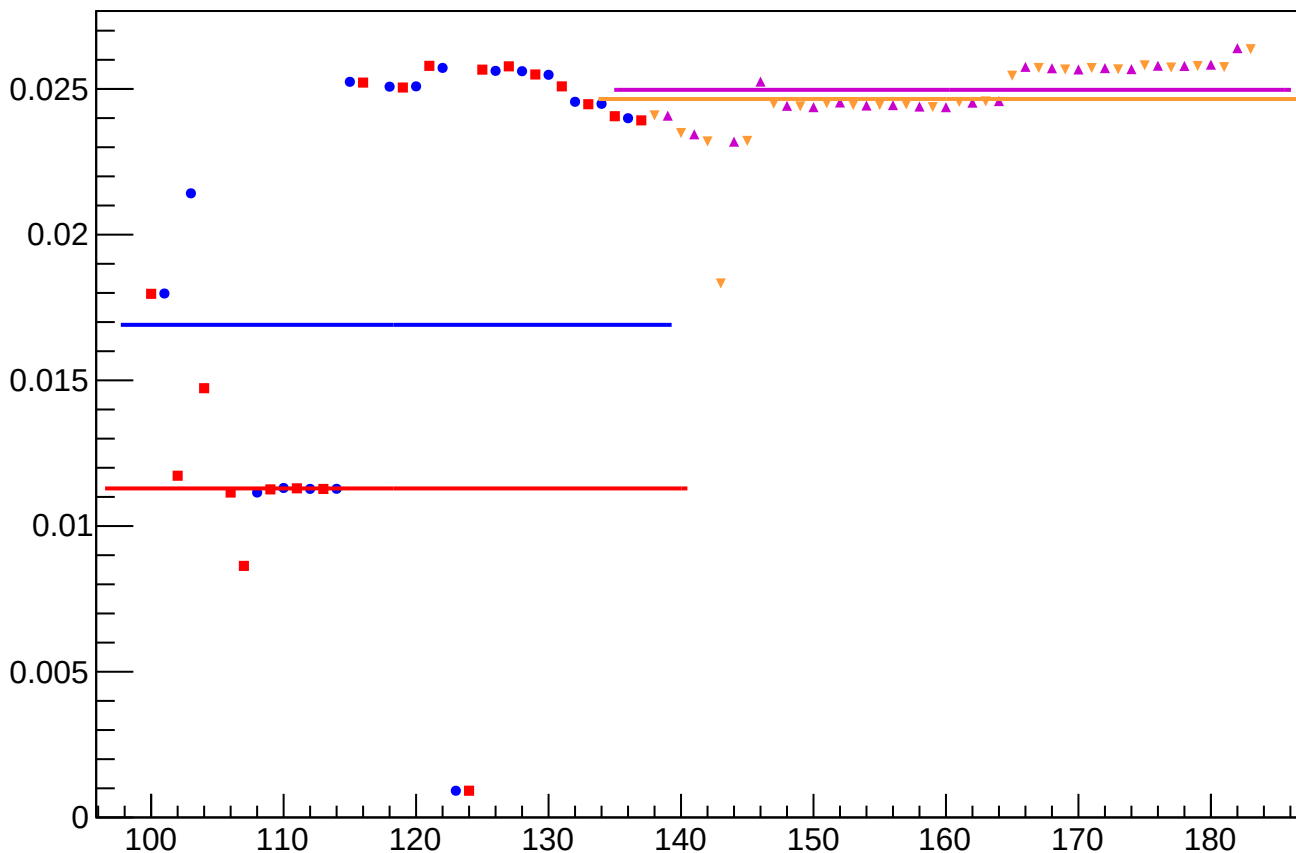
Right: 0.058 $\pm$ 0.000 χ^2 /NDF: 100037.7/35

In: 0.056 $\pm$ 0.000 χ^2 /NDF:77449.3/38

Out: 0.056 $\pm$ 0.000 χ^2 /NDF:146813.2/42

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 225112.1/81

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000

χ^2/NDF : 126025885261.2/16

Left: 0.025+/-0.000

χ^2/NDF : 12018146047.7/45

Left Out: 0.025+/-0.000

χ^2/NDF : 9508673173.1/23

Right: 0.014+/-0.000

χ^2/NDF : 390315372797.0/35

Right Out: 0.011+/-0.000

χ^2/NDF : 233231439443.8/18

In: 0.022+/-0.000

χ^2/NDF : 201760514567.1/38

Out: 0.019+/-0.000

χ^2/NDF : 501099892176.9/42

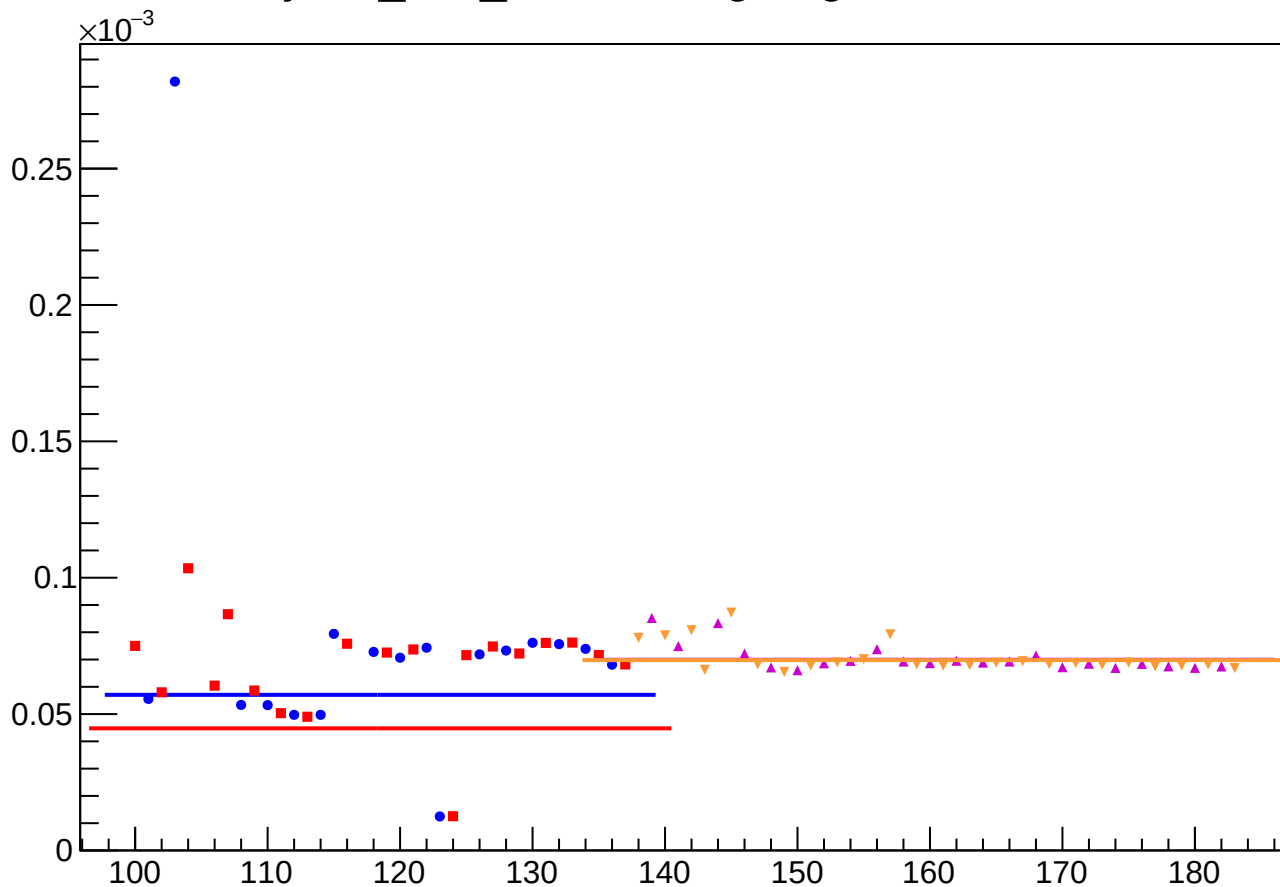
Left In: 0.025+/-0.000

χ^2/NDF : 2333857292.4/21

All: 0.021+/-0.000

χ^2/NDF : 727233631073.8

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 1998313.1/16

Left Out: 0.000+/-0.000 χ^2/NDF :155801.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3584797.7/18

Left In: 0.000+/-0.000 χ^2/NDF :127700.7/21

Left: 0.000+/-0.000 χ^2/NDF : 283567.9/45

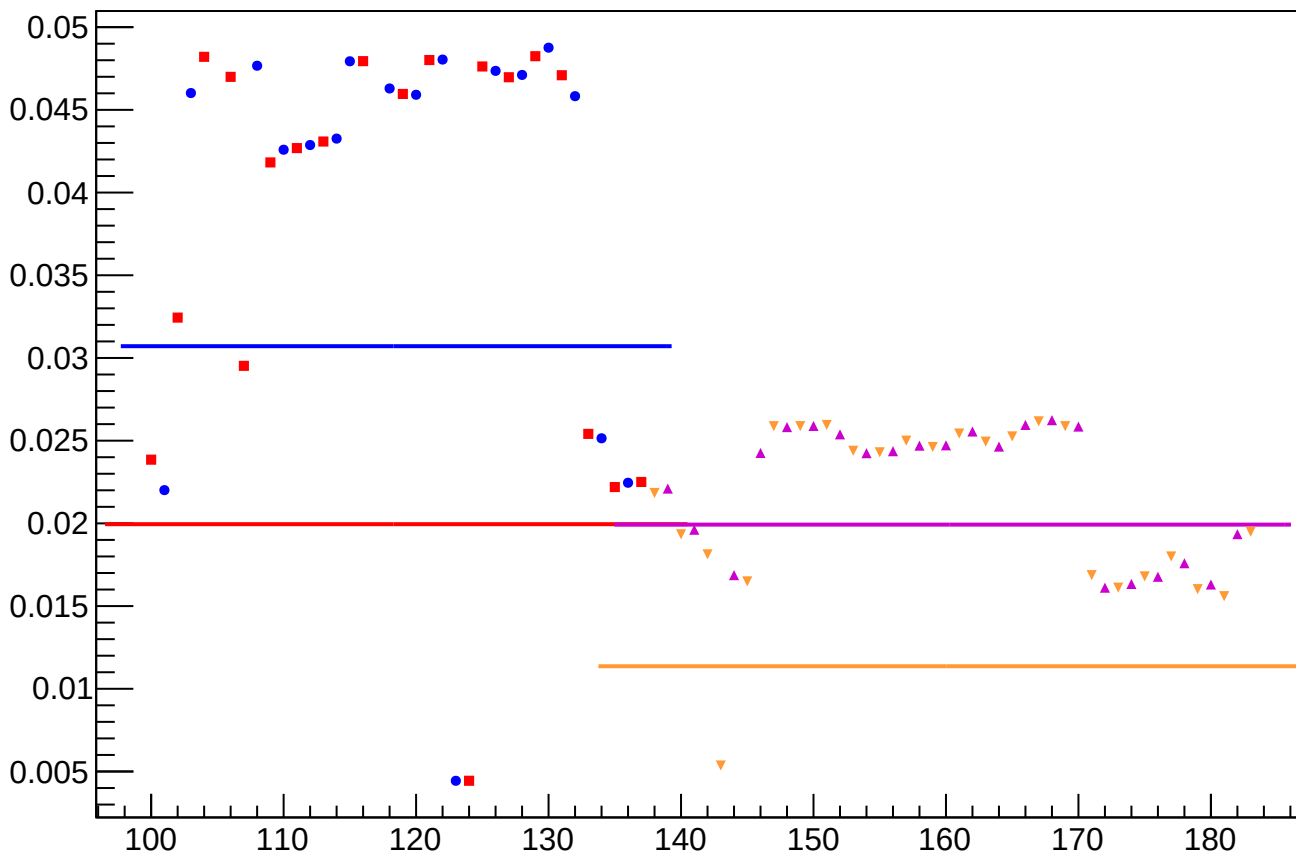
Right: 0.000+/-0.000 χ^2/NDF : 5880543.5/35

In: 0.000+/-0.000 χ^2/NDF :2499484.3/38

Out: 0.000+/-0.000 χ^2/NDF :5550458.5/42

All: 0.000+/-0.000 χ^2/NDF : 8238116.5/81

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21081896587.0/16

Left: 0.014+/-0.000

χ^2/NDF : 59034849459.9/45

Left Out: 0.011+/-0.000

χ^2/NDF : 39734056018.3/23

Right: 0.024+/-0.000

χ^2/NDF : 65945636708.3/35

Right Out: 0.020+/-0.000

χ^2/NDF : 39758690289.2/18

In: 0.022+/-0.000

χ^2/NDF : 32114474403.5/38

Out: 0.013+/-0.000

χ^2/NDF : 86903658582.2/42

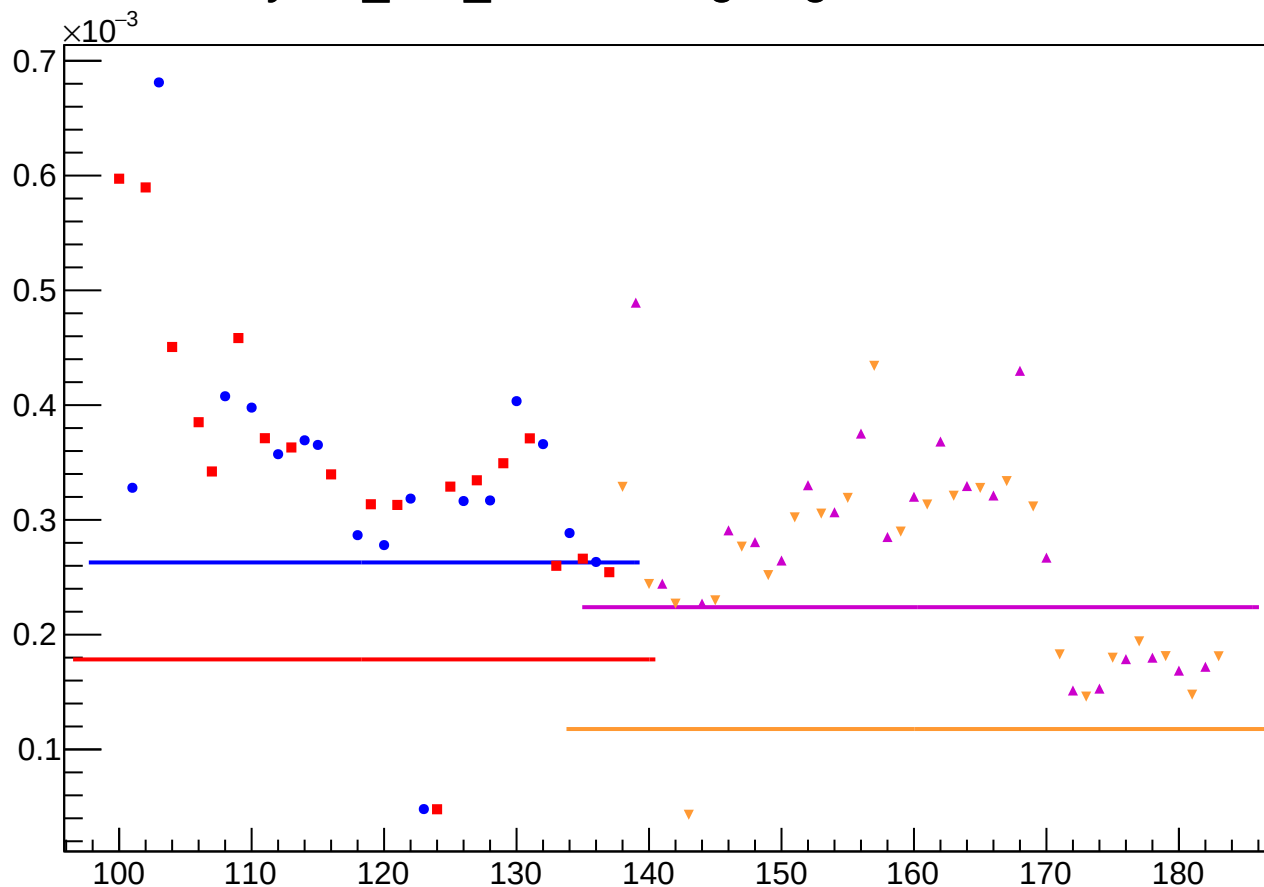
Left In: 0.020+/-0.000

χ^2/NDF : 4447016753.6/21

All: 0.015+/-0.000

χ^2/NDF : 141380453509.2

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2393587.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :13511204.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 5332040.2/18

Left In: 0.000+/-0.000 χ^2/NDF :3236661.5/21

Left: 0.000+/-0.000 χ^2/NDF : 21314439.7/45

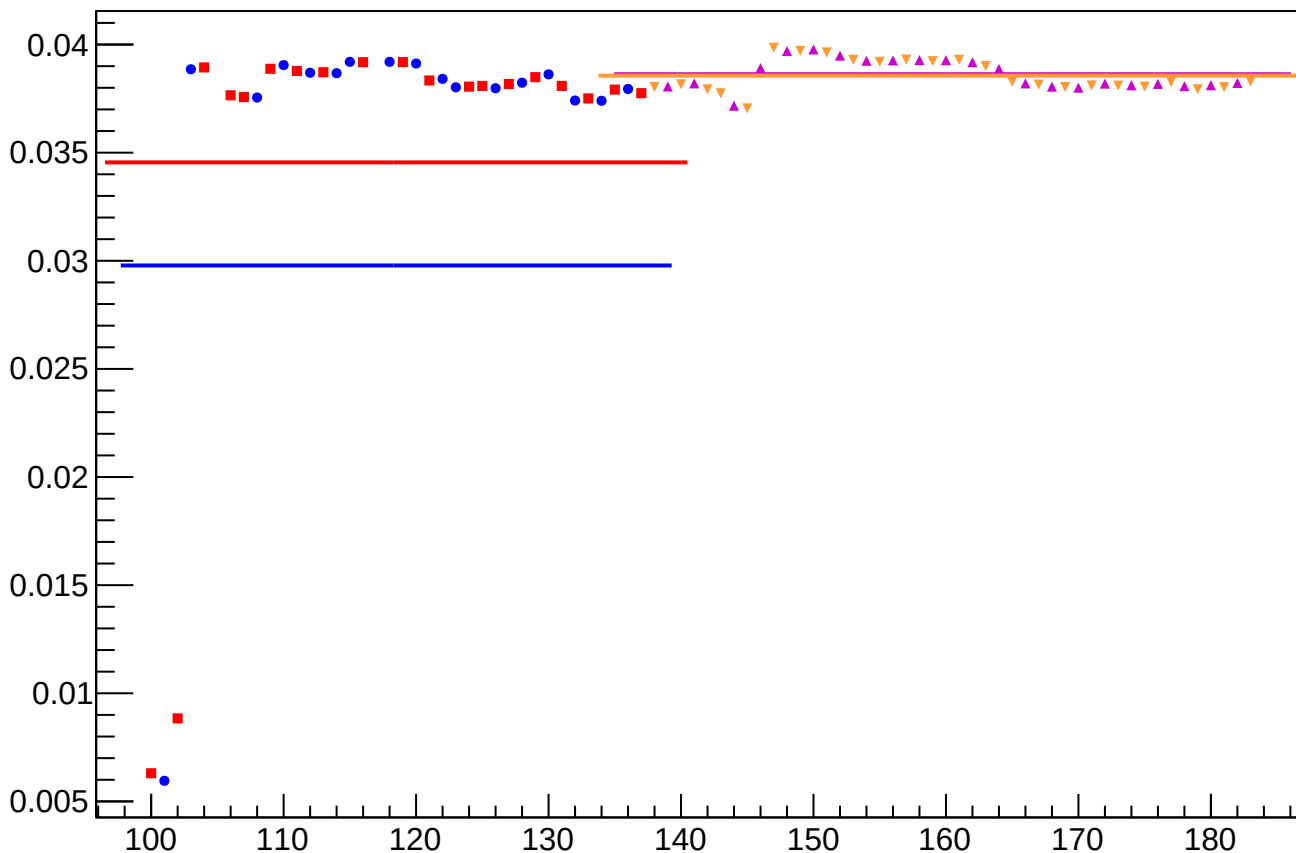
Right: 0.000+/-0.000 χ^2/NDF : 8355047.6/35

In: 0.000+/-0.000 χ^2/NDF :5802176.6/38

Out: 0.000+/-0.000 χ^2/NDF :19582346.8/42

All: 0.000+/-0.000 χ^2/NDF : 30887246.3/81

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000

χ^2/NDF : 96939094269.8/16

Left: 0.039 $\pm$ 0.000

χ^2/NDF : 1003249564.1/45

Left Out: 0.039 $\pm$ 0.000

χ^2/NDF : 539040043.0/23

Right: 0.032 $\pm$ 0.000

χ^2/NDF : 145599934598.0/35

Right Out: 0.035 $\pm$ 0.000

χ^2/NDF : 43542773475.9/18

In: 0.036 $\pm$ 0.000

χ^2/NDF : 122460861491.9/38

Out: 0.037 $\pm$ 0.000

χ^2/NDF : 49021625155.6/42

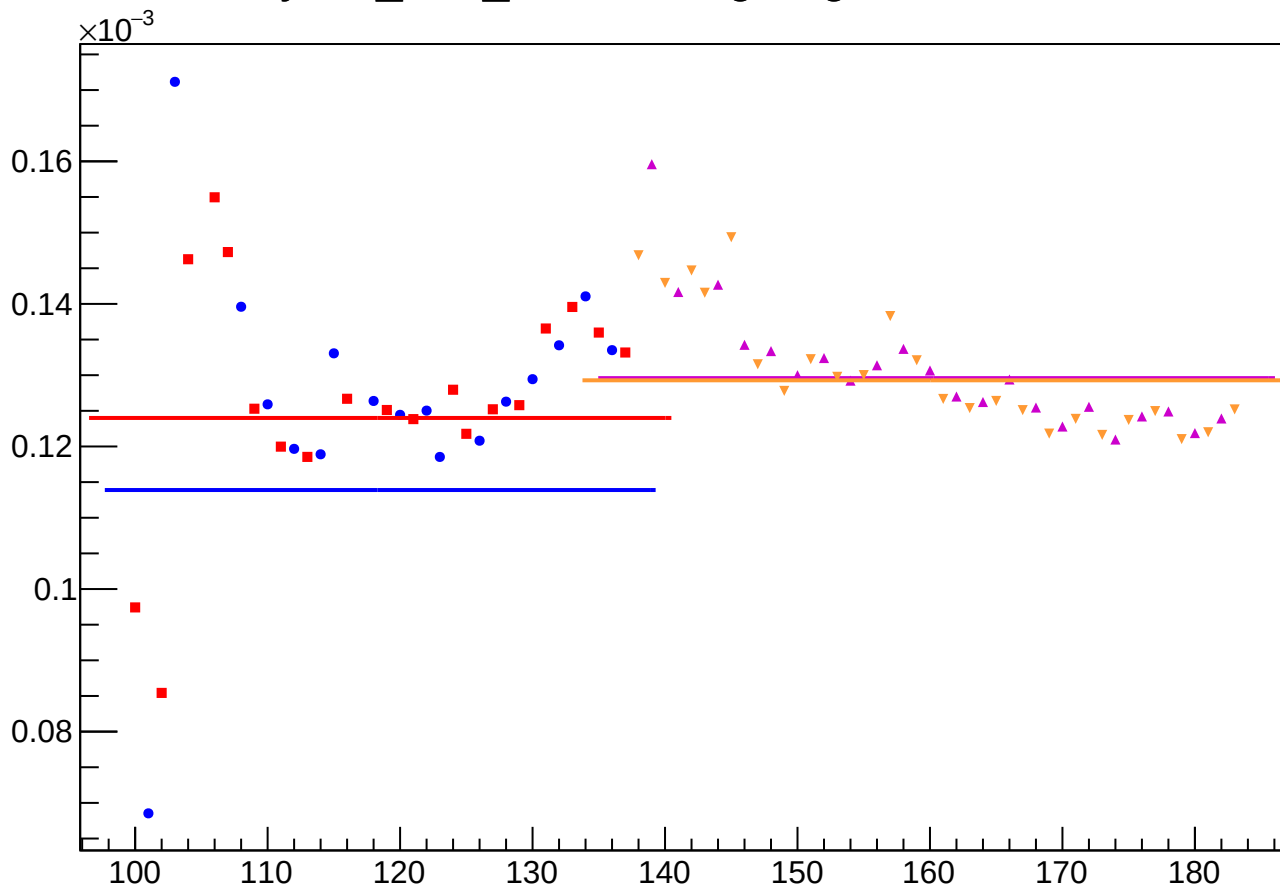
Left In: 0.039 $\pm$ 0.000

χ^2/NDF : 462066867.7/21

All: 0.037 $\pm$ 0.000

χ^2/NDF : 173406725835.2

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 792994.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :127971.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 245068.5/18

Left In: 0.000+/-0.000 χ^2/NDF :114350.7/21

Left: 0.000+/-0.000 χ^2/NDF : 242419.1/45

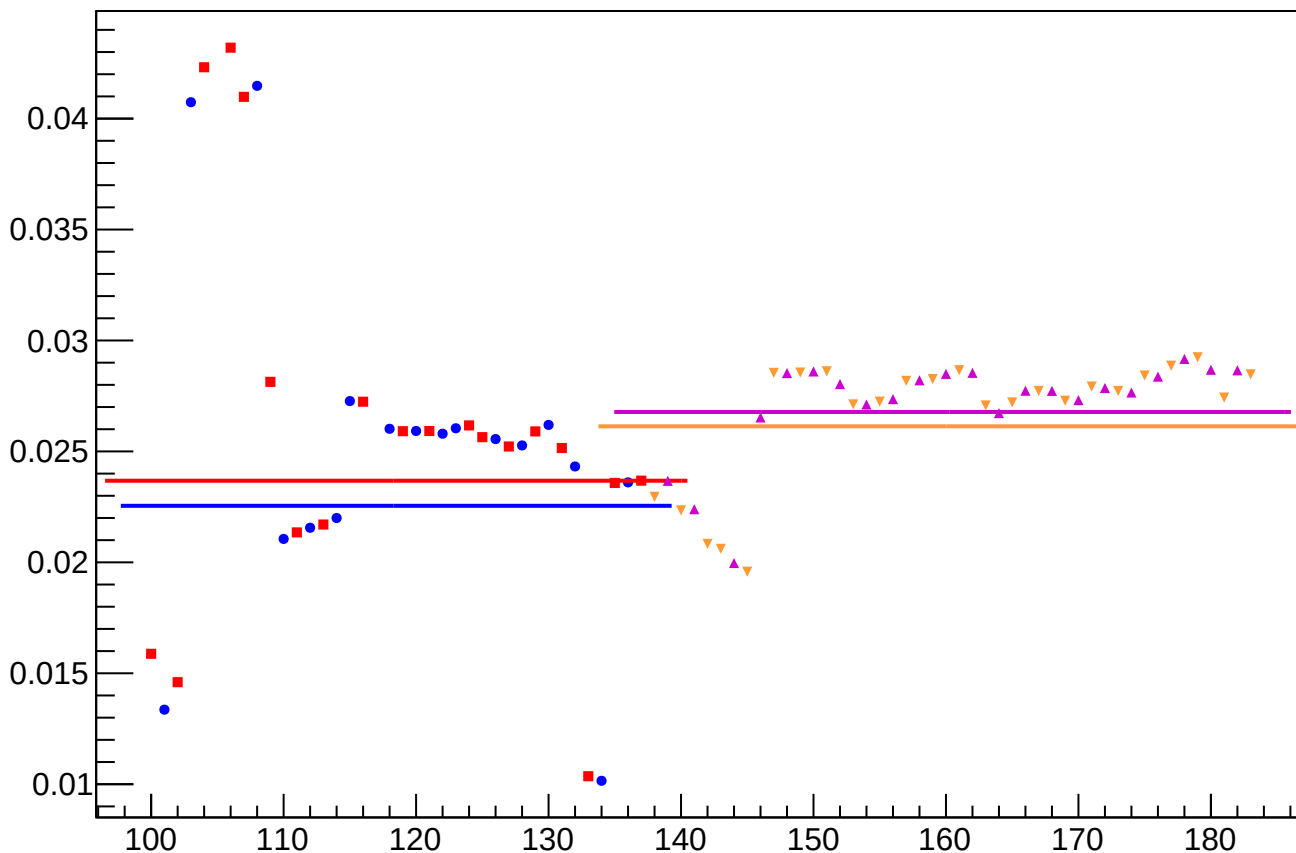
Right: 0.000+/-0.000 χ^2/NDF : 1084124.4/35

In: 0.000+/-0.000 χ^2/NDF :1065293.2/38

Out: 0.000+/-0.000 χ^2/NDF :390152.5/42

All: 0.000+/-0.000 χ^2/NDF : 1470620.3/81

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4235847516.4/16

Left Out: 0.026+/-0.000 χ^2/NDF : 2040057398.3/23

Right Out: 0.024+/-0.000 χ^2/NDF : 5643986297.3/18

Left In: 0.027+/-0.000 χ^2/NDF : 1325340907.2/21

Left: 0.026+/-0.000 χ^2/NDF : 3405078118.1/45

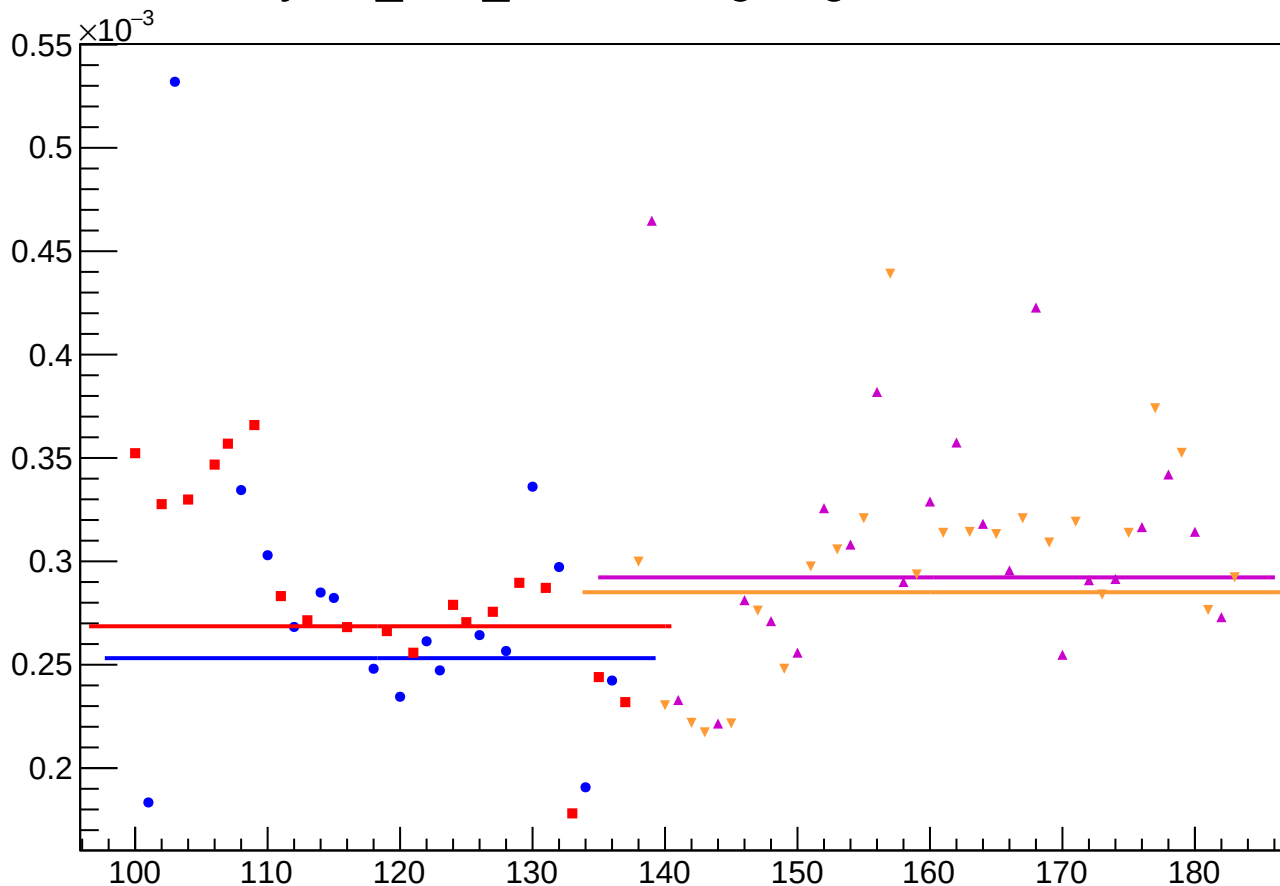
Right: 0.023+/-0.000 χ^2/NDF : 9935654674.4/35

In: 0.025+/-0.000 χ^2/NDF : 6637671860.0/38

Out: 0.025+/-0.000 χ^2/NDF : 8042206349.7/42

All: 0.025+/-0.000 χ^2/NDF : 14679928799.1/80

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 626352.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :812370.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 428150.4/18

Left In: 0.000+/-0.000 χ^2/NDF :898595.9/21

Left: 0.000+/-0.000 χ^2/NDF : 1720735.4/45

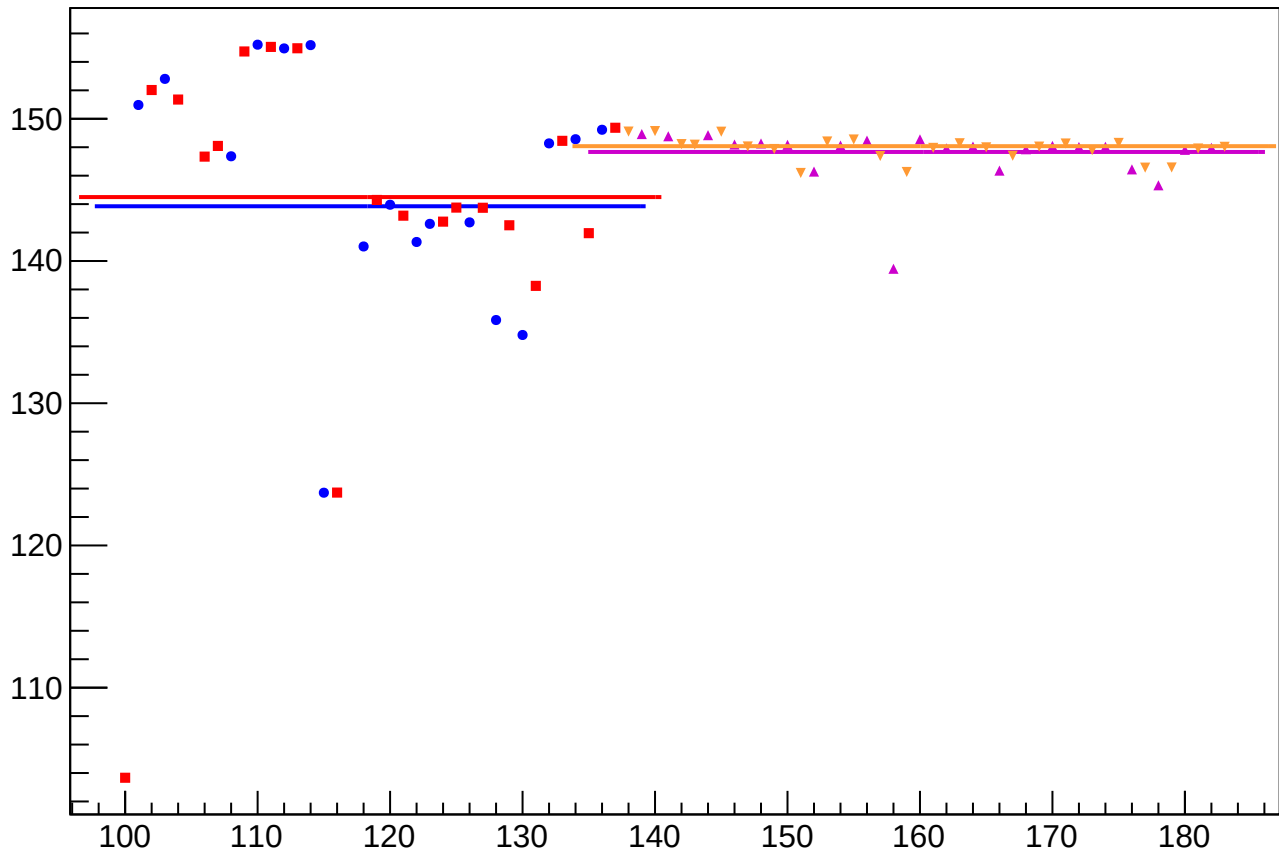
Right: 0.000+/-0.000 χ^2/NDF : 1075285.0/35

In: 0.000+/-0.000 χ^2/NDF :1708626.1/38

Out: 0.000+/-0.000 χ^2/NDF :1272830.4/42

All: 0.000+/-0.000 χ^2/NDF : 2981646.0/81

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.849 $\pm$ 0.000 χ^2 /NDF: 3450807407.9/16

Left Out: 148.074 $\pm$ 0.000 χ^2 /NDF: 65596593.5/23

Right Out: 144.495 $\pm$ 0.000 χ^2 /NDF: 4183399255.1/18

Left In: 147.667 $\pm$ 0.000 χ^2 /NDF: 345128189.5/21

Left: 147.878 $\pm$ 0.000 χ^2 /NDF: 418075314.7/45

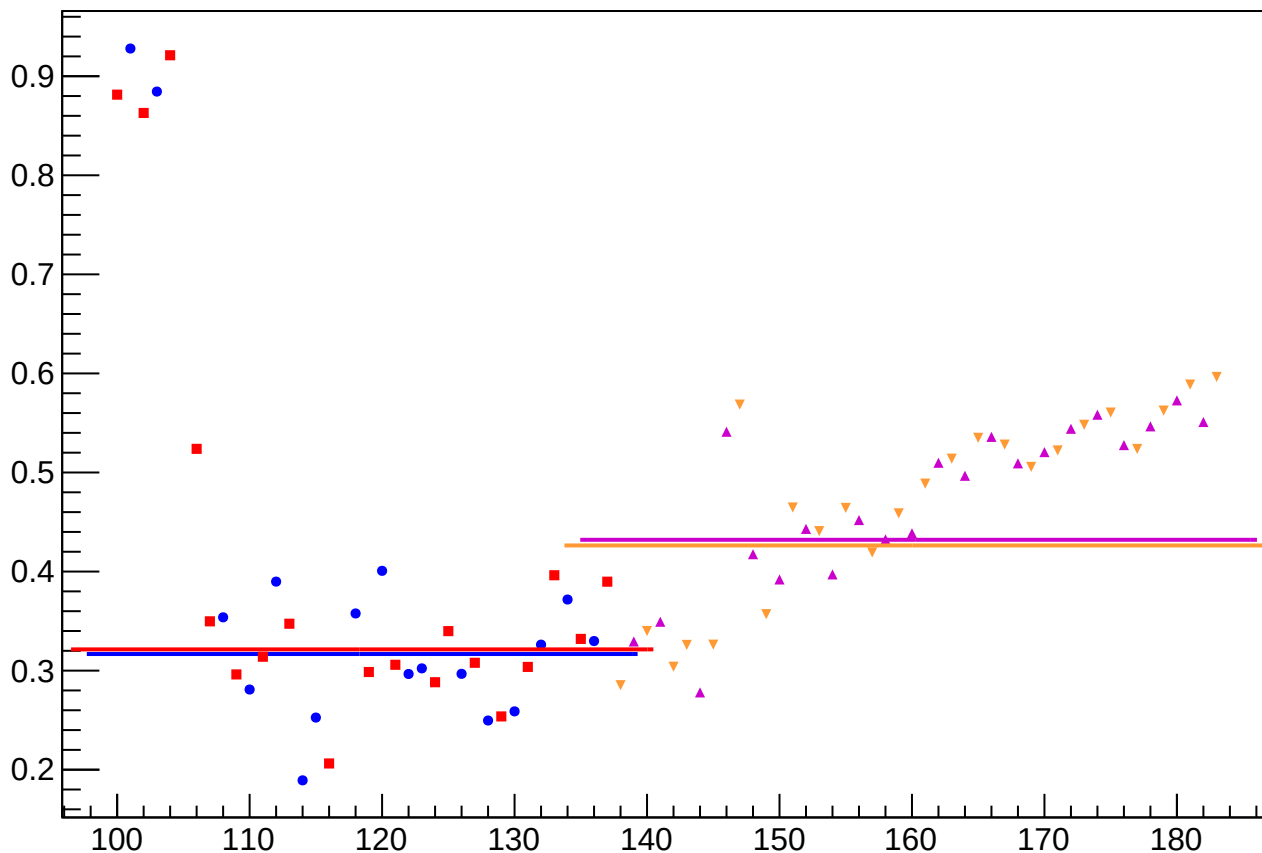
Right: 144.176 $\pm$ 0.000 χ^2 /NDF: 7645857332.7/35

In: 146.172 $\pm$ 0.000 χ^2 /NDF: 4285256963.4/38

Out: 146.714 $\pm$ 0.000 χ^2 /NDF: 4697747478.4/42

All: 146.450 $\pm$ 0.000 χ^2 /NDF: 9004239295.9

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1260273.9/16

Left Out: 0.426+/-0.000 χ^2/NDF :1842652.3/23

Right Out: 0.321+/-0.000 χ^2/NDF : 1216529.2/18

Left In: 0.432+/-0.000 χ^2/NDF :1445703.7/21

Left: 0.429+/-0.000 χ^2/NDF : 3291267.3/45

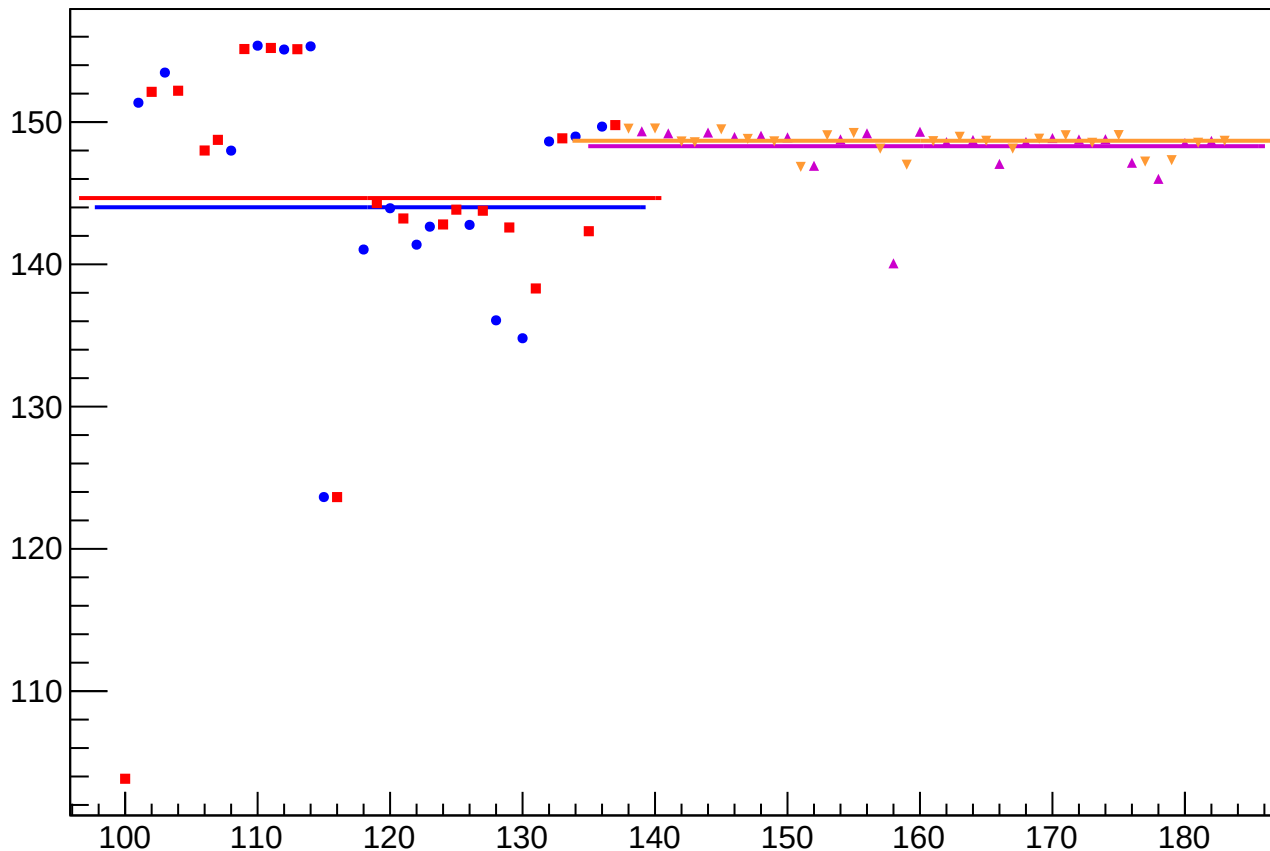
Right: 0.319+/-0.000 χ^2/NDF : 2478025.5/35

In: 0.387+/-0.000 χ^2/NDF :3598605.4/38

Out: 0.386+/-0.000 χ^2/NDF :3830350.0/42

All: 0.387+/-0.000 χ^2/NDF : 7428983.4/81

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.013 $\pm$ 0.000

χ^2 /NDF: 3495287828.5/16

Left Out: 148.687 $\pm$ 0.000

χ^2 /NDF: 52215043.0/23

Right Out: 144.658 $\pm$ 0.000

χ^2 /NDF: 4207861518.0/18

Left In: 148.304 $\pm$ 0.000

χ^2 /NDF: 333469062.6/21

Left: 148.502 $\pm$ 0.000

χ^2 /NDF: 392056931.1/45

Right: 144.339 $\pm$ 0.000

χ^2 /NDF: 7714659018.1/35

In: 146.613 $\pm$ 0.000

χ^2 /NDF: 4437372552.5/38

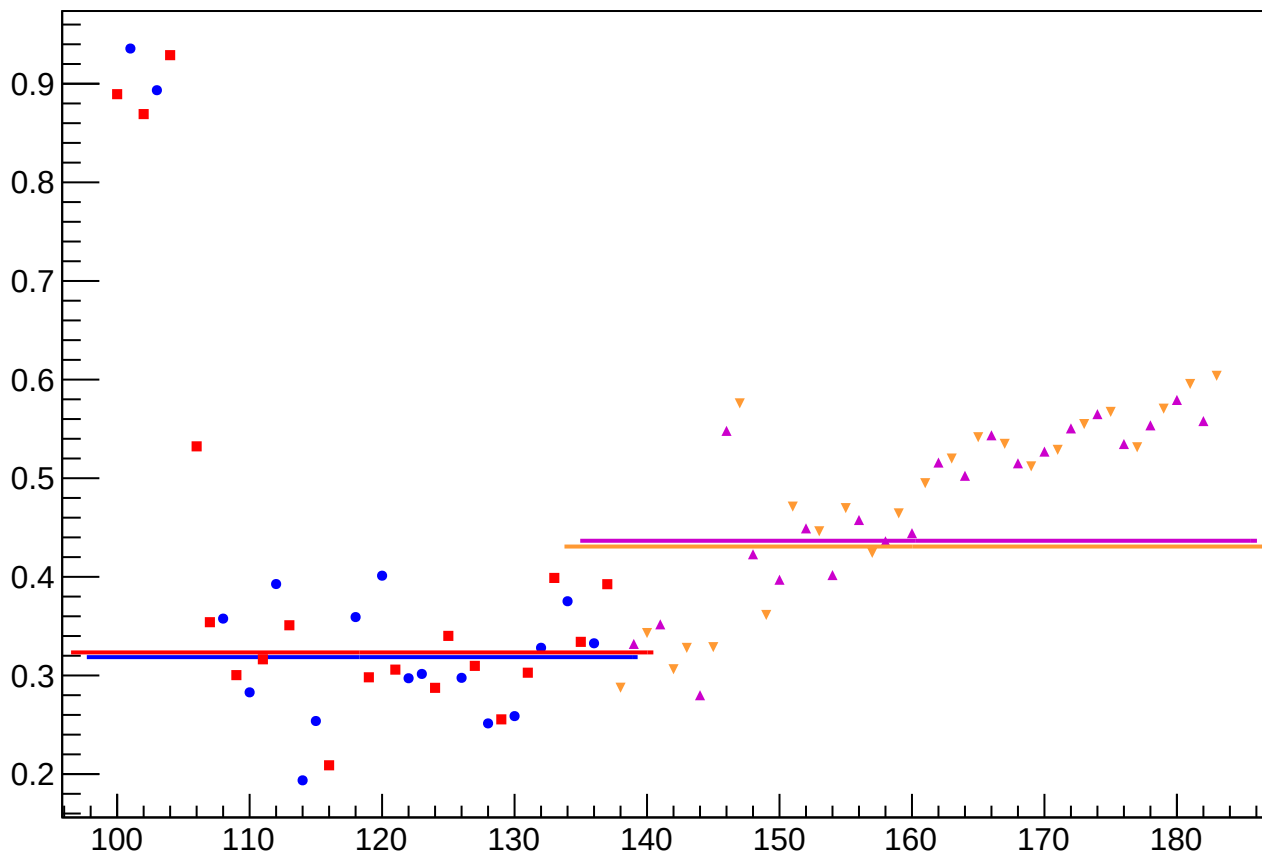
Out: 147.147 $\pm$ 0.000

χ^2 /NDF: 4819739814.9/42

All: 146.887 $\pm$ 0.000

χ^2 /NDF: 9277374347.5

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319+/-0.000 χ^2/NDF : 1262045.4/16

Left Out: 0.431+/-0.000 χ^2/NDF :1874243.1/23

Right Out: 0.323+/-0.000 χ^2/NDF : 1218896.8/18

Left In: 0.437+/-0.000 χ^2/NDF :1470851.6/21

Left: 0.434+/-0.000 χ^2/NDF : 3348086.0/45

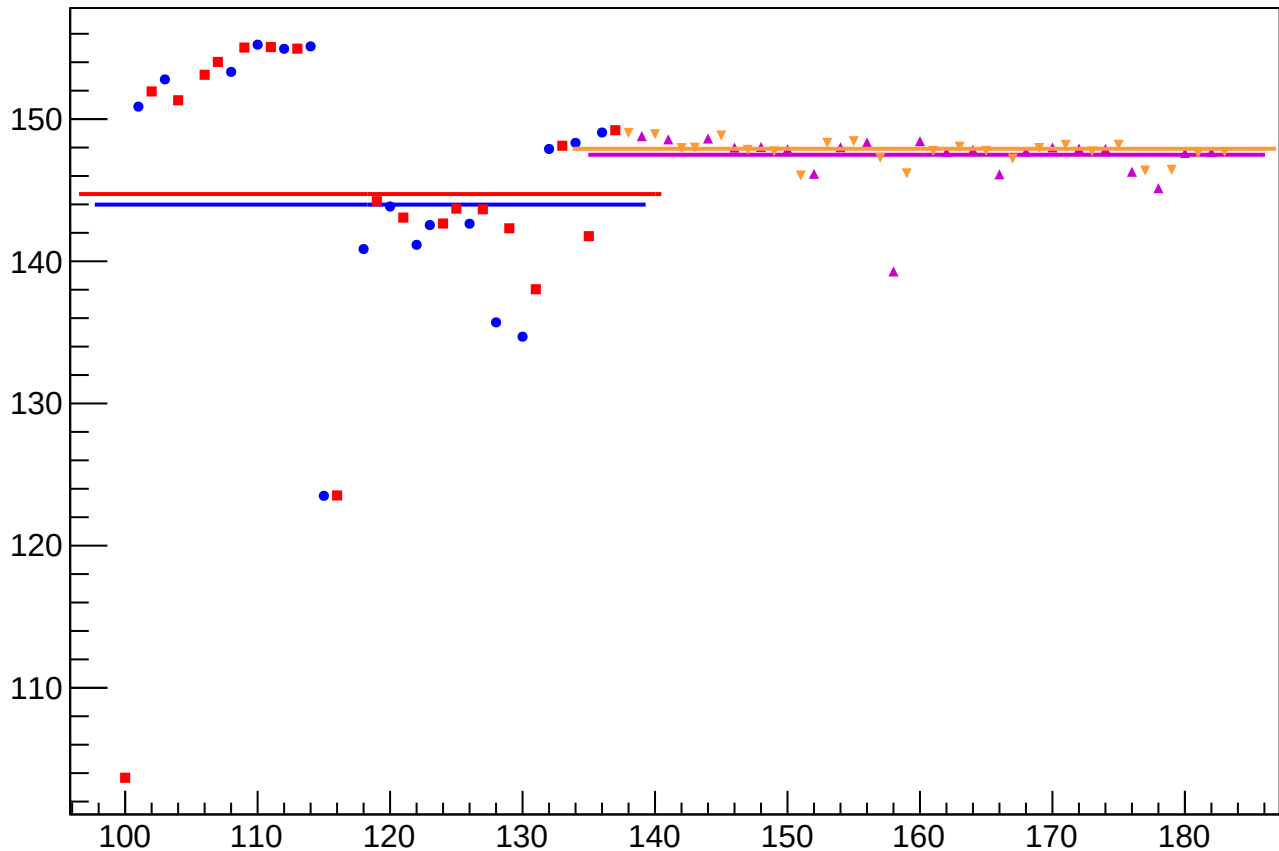
Right: 0.321+/-0.000 χ^2/NDF : 2482206.1/35

In: 0.390+/-0.000 χ^2/NDF :3653356.0/38

Out: 0.390+/-0.000 χ^2/NDF :3888130.4/42

All: 0.390+/-0.000 χ^2/NDF : 7541509.7/81

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.986 $\pm$ 0.000 χ^2 /NDF: 3664472942.4/16

Left Out: 147.913 $\pm$ 0.000 χ^2 /NDF: 64338239.4/23

Right Out: 144.728 $\pm$ 0.000 χ^2 /NDF: 4473024875.8/18

Left In: 147.492 $\pm$ 0.000 χ^2 /NDF: 343950261.9/21

Left: 147.710 $\pm$ 0.000 χ^2 /NDF: 416136199.6/45

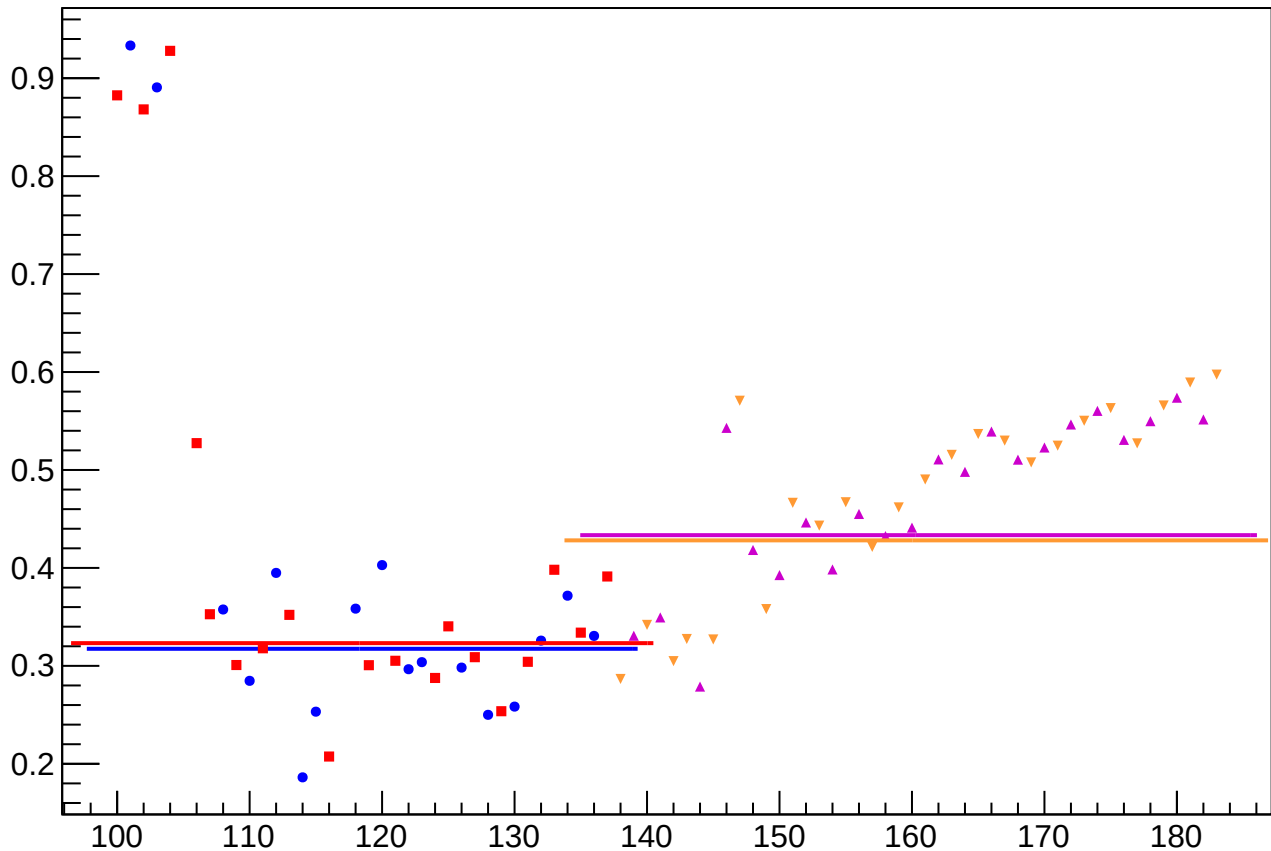
Right: 144.360 $\pm$ 0.000 χ^2 /NDF: 8152746966.8/35

In: 146.118 $\pm$ 0.000 χ^2 /NDF: 4418432755.1/38

Out: 146.705 $\pm$ 0.000 χ^2 /NDF: 4889359975.0/42

All: 146.419 $\pm$ 0.000 χ^2 /NDF: 9332479500.5

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1274892.4/16

Left Out: 0.428+/-0.000 χ^2/NDF :1842202.7/23

Right Out: 0.323+/-0.000 χ^2/NDF : 1221204.9/18

Left In: 0.433+/-0.000 χ^2/NDF :1452297.5/21

Left: 0.431+/-0.000 χ^2/NDF : 3296992.8/45

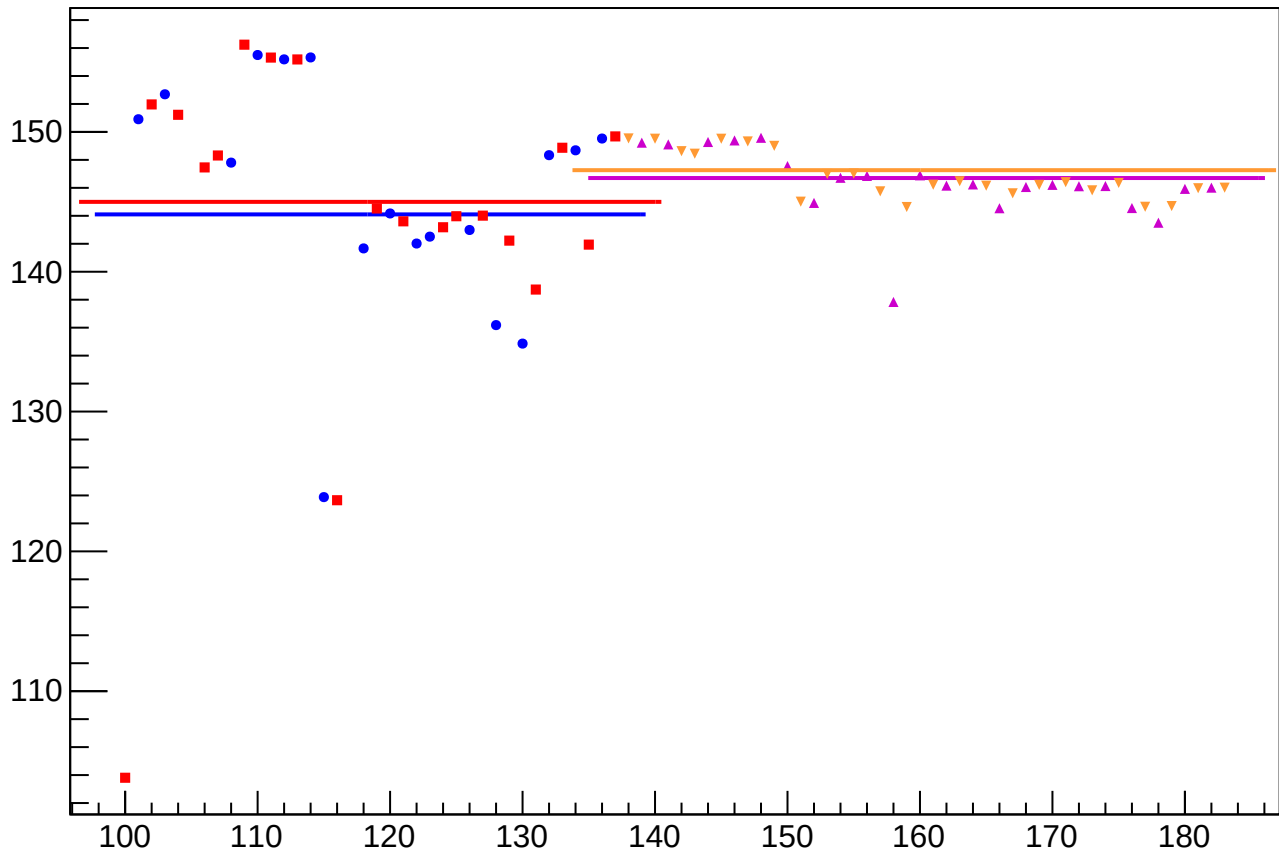
Right: 0.320+/-0.000 χ^2/NDF : 2497937.8/35

In: 0.388+/-0.000 χ^2/NDF :3625126.3/38

Out: 0.388+/-0.000 χ^2/NDF :3827249.5/42

All: 0.388+/-0.000 χ^2/NDF : 7452389.8/81

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.101 $\pm$ 0.000 χ^2 /NDF: 3163250979.7/16

Left Out: 147.264 $\pm$ 0.000 χ^2 /NDF: 260967255.0/23

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3853420991.4/18

Left In: 146.702 $\pm$ 0.000 χ^2 /NDF: 557501329.0/21

Left: 146.993 $\pm$ 0.000 χ^2 /NDF: 831686823.3/45

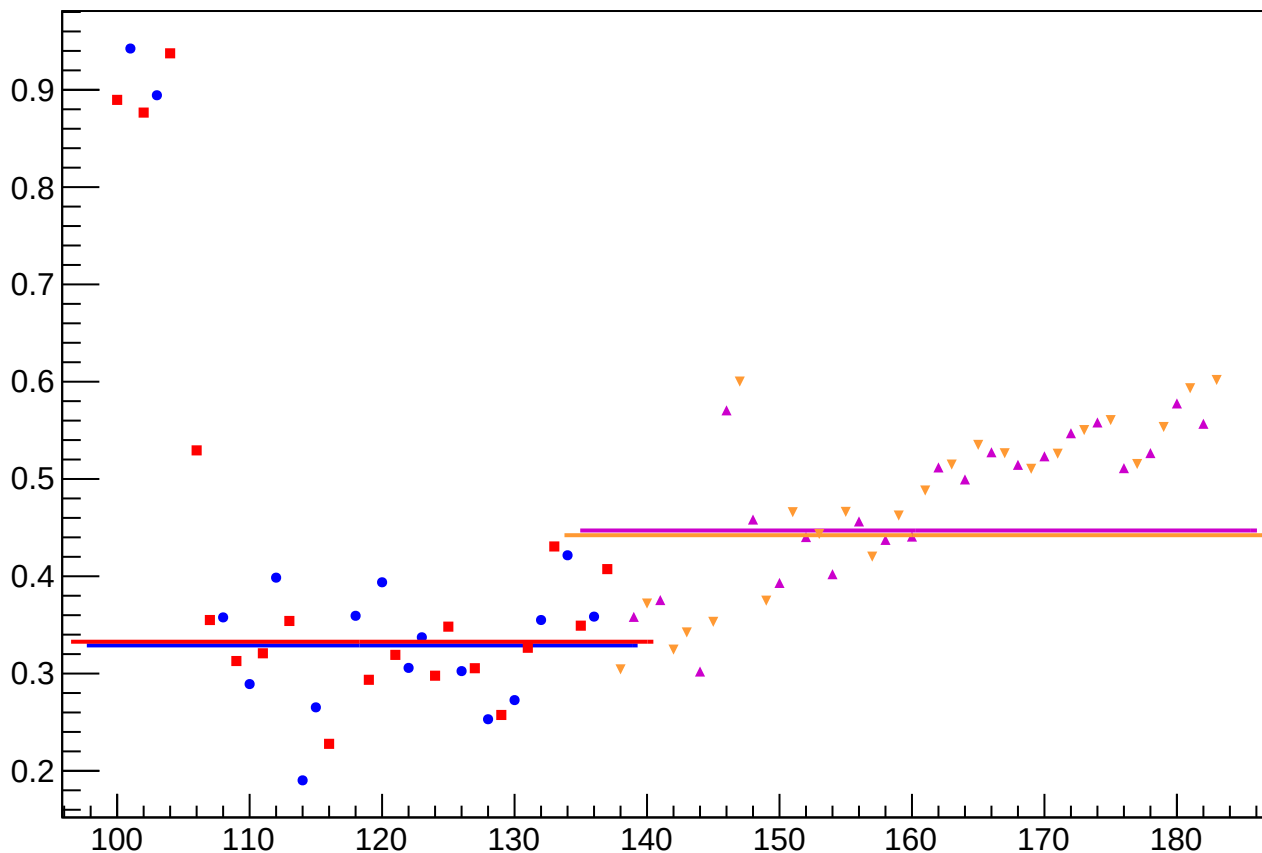
Right: 144.557 $\pm$ 0.000 χ^2 /NDF: 7037484175.9/35

In: 145.697 $\pm$ 0.000 χ^2 /NDF: 3932108835.5/38

Out: 146.407 $\pm$ 0.000 χ^2 /NDF: 4282533671.8/42

All: 146.062 $\pm$ 0.000 χ^2 /NDF: 8248731052.4

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329 $\pm$ 0.000 χ^2 /NDF: 1259207.9/16

Left Out: 0.442 $\pm$ 0.000 χ^2 /NDF:1435908.4/23

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1181630.3/18

Left In: 0.447 $\pm$ 0.000 χ^2 /NDF:1087936.4/21

Left: 0.445 $\pm$ 0.000 χ^2 /NDF: 2525811.8/45

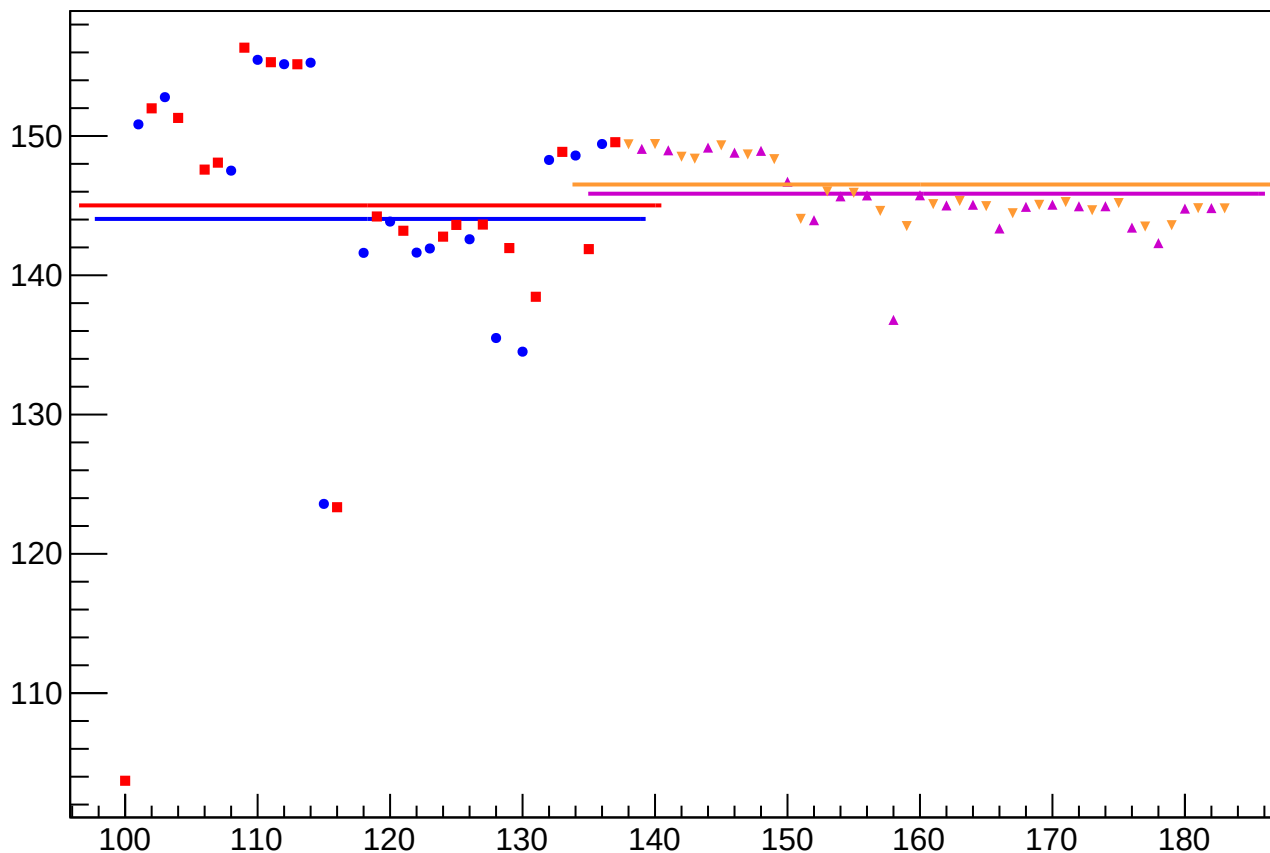
Right: 0.331 $\pm$ 0.000 χ^2 /NDF: 2441586.5/35

In: 0.401 $\pm$ 0.000 χ^2 /NDF:3219393.0/38

Out: 0.401 $\pm$ 0.000 χ^2 /NDF:3402234.6/42

All: 0.401 $\pm$ 0.000 χ^2 /NDF: 6621681.6/81

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.046 $\pm$ 0.000 χ^2 /NDF: 3282867390.8/16

Left Out: 146.518 $\pm$ 0.000 χ^2 /NDF: 399594892.1/23

Right Out: 145.016 $\pm$ 0.000 χ^2 /NDF: 3929576449.5/18

Left In: 145.857 $\pm$ 0.000 χ^2 /NDF: 693870650.5/21

Left: 146.199 $\pm$ 0.000 χ^2 /NDF: 1111662573.9/45

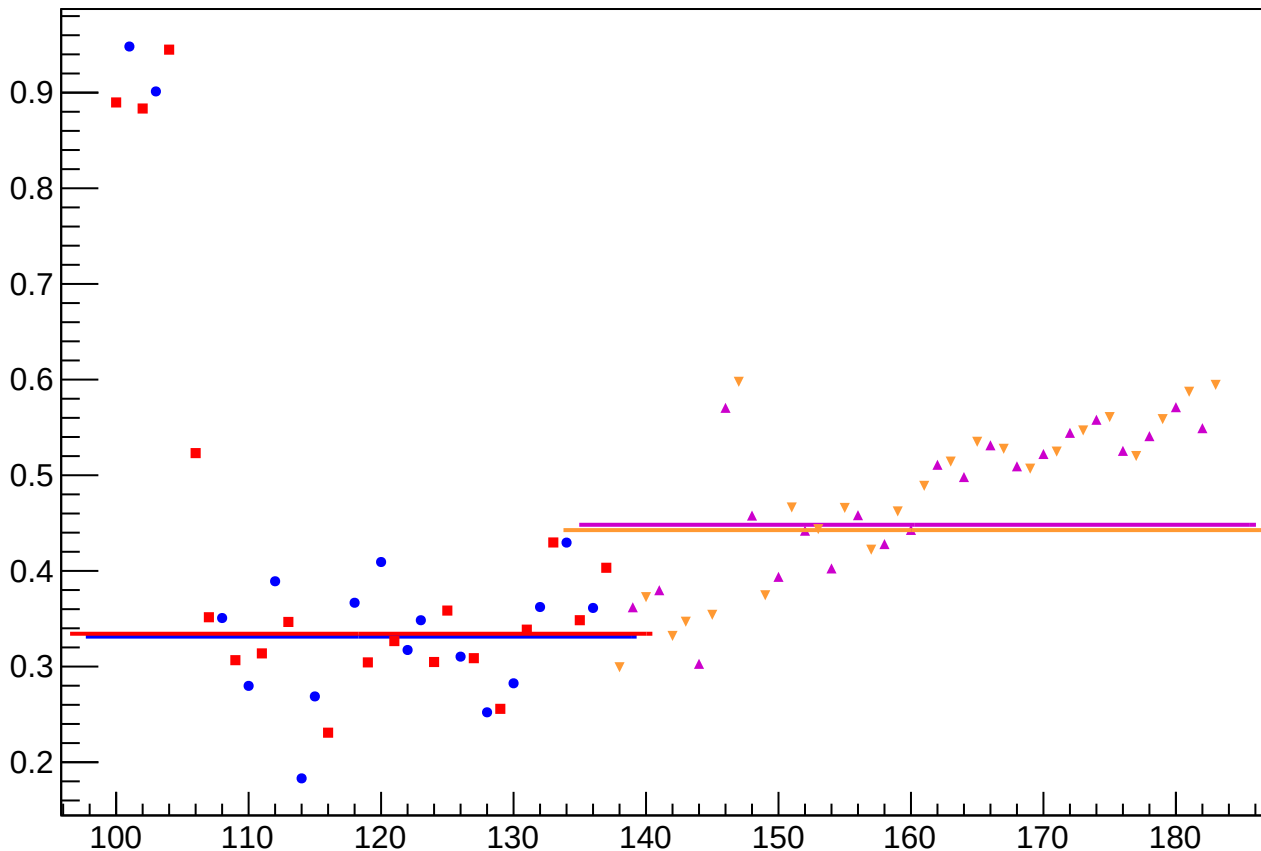
Right: 144.541 $\pm$ 0.000 χ^2 /NDF: 7236479973.6/35

In: 145.162 $\pm$ 0.000 χ^2 /NDF: 4077895916.3/38

Out: 145.953 $\pm$ 0.000 χ^2 /NDF: 4402403973.9/42

All: 145.569 $\pm$ 0.000 χ^2 /NDF: 8522250562.0

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331+/-0.000 χ^2/NDF : 1275232.9/16

Left Out: 0.443+/-0.000 χ^2/NDF :1418166.6/23

Right Out: 0.334+/-0.000 χ^2/NDF : 1170223.7/18

Left In: 0.448+/-0.000 χ^2/NDF :1063972.7/21

Left: 0.445+/-0.000 χ^2/NDF : 2484726.5/45

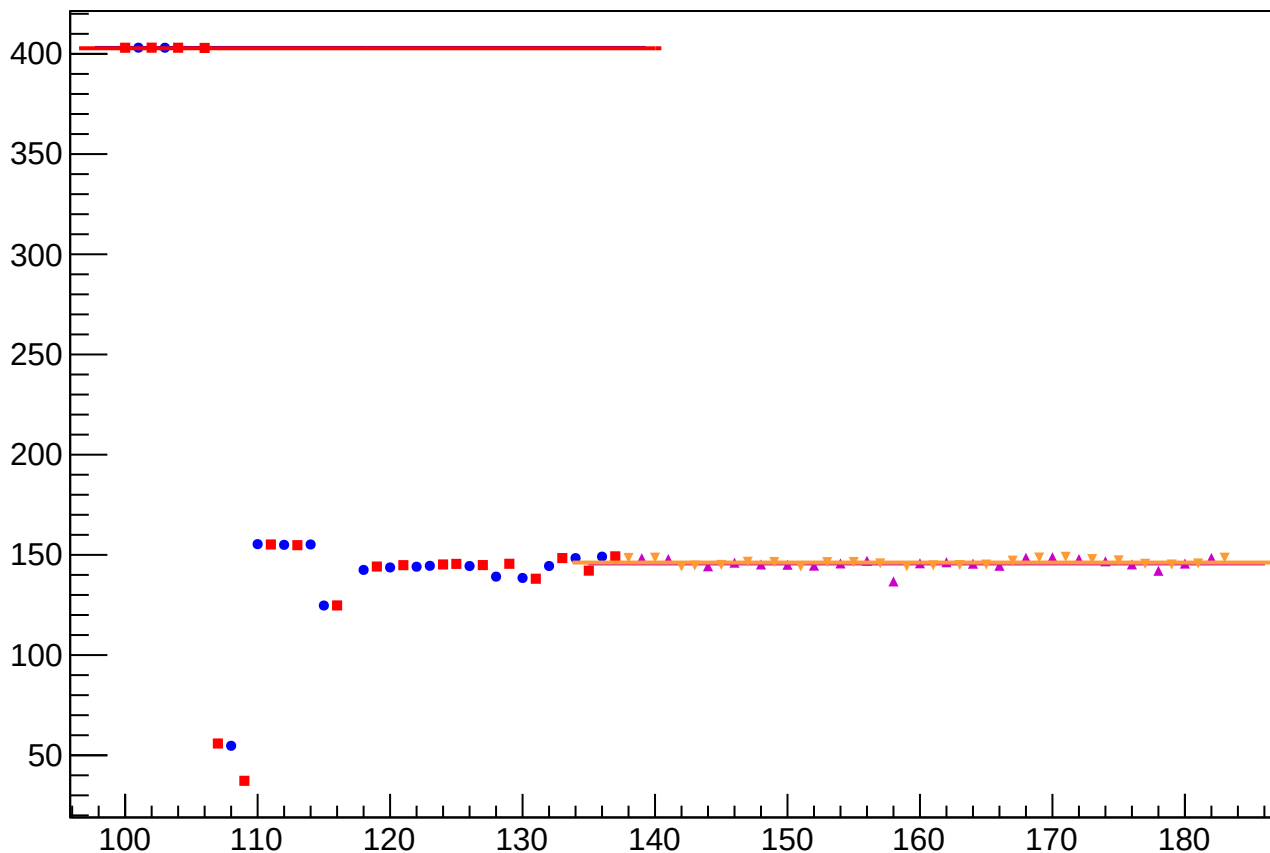
Right: 0.333+/-0.000 χ^2/NDF : 2445917.5/35

In: 0.403+/-0.000 χ^2/NDF :3182247.5/38

Out: 0.402+/-0.000 χ^2/NDF :3350670.8/42

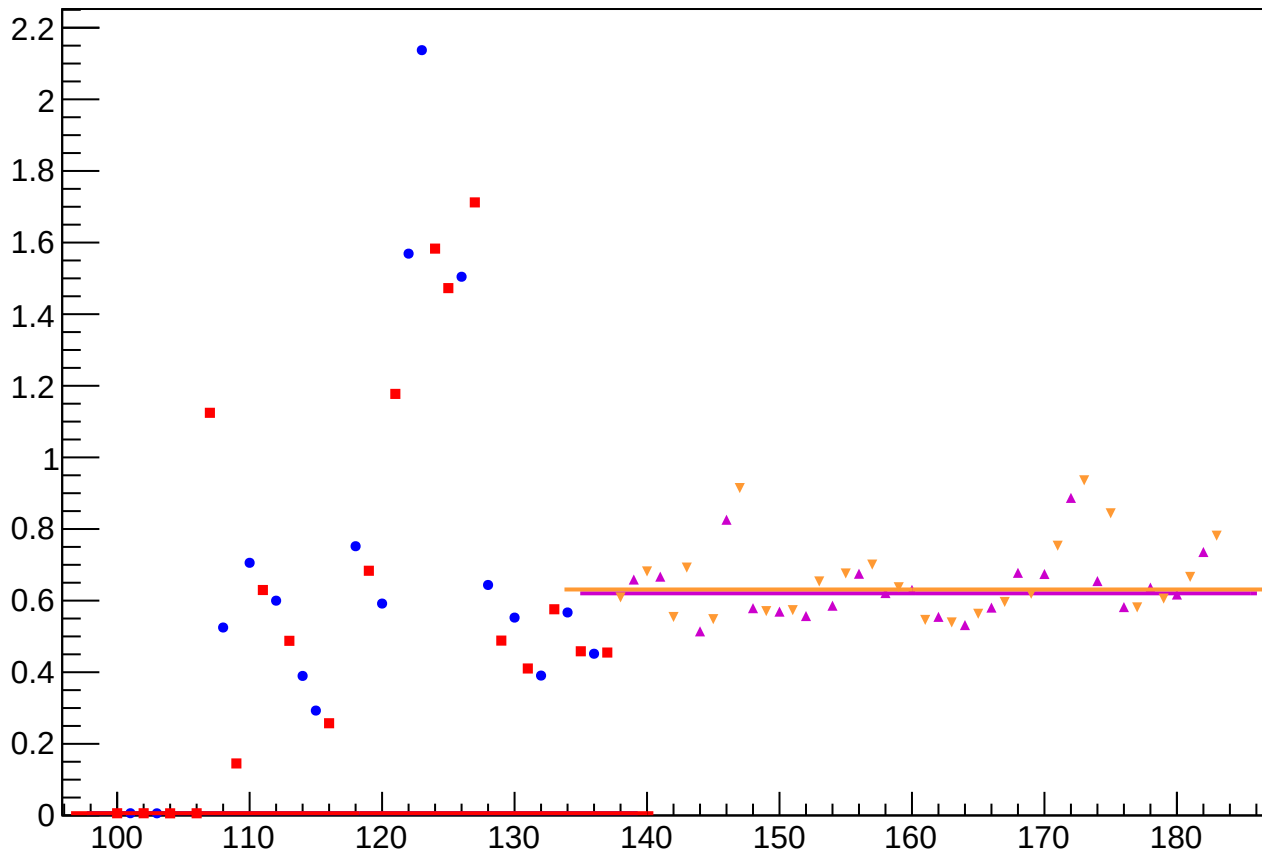
All: 0.403+/-0.000 χ^2/NDF : 6533228.1/81

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000 χ^2/NDF : 1095567172365.3/16
 Left Out: 146.176+/-0.000 χ^2/NDF : 84366185.8/23
 Right Out: 402.799+/-0.000 χ^2/NDF : 3104385504690.3/18
 Left In: 145.730+/-0.000 χ^2/NDF : 203115780.8/21
 Left: 145.955+/-0.000 χ^2/NDF : 290983099.4/45
 Right: 402.873+/-0.000 χ^2/NDF : 4200370185743.3/16
 In: 402.668+/-0.000 χ^2/NDF : 3411585703623.4/38
 Out: 402.540+/-0.000 χ^2/NDF : 5442386935248.4/45
 All: 402.600+/-0.000 χ^2/NDF : 885424486876.0/100

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 9047828.5/16

Left Out: 0.631 $\pm$ 0.000 χ^2 /NDF: 608923.6/23

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 9152692.1/18

Left In: 0.620 $\pm$ 0.000 χ^2 /NDF: 392842.7/21

Left: 0.626 $\pm$ 0.000 χ^2 /NDF: 1005839.1/45

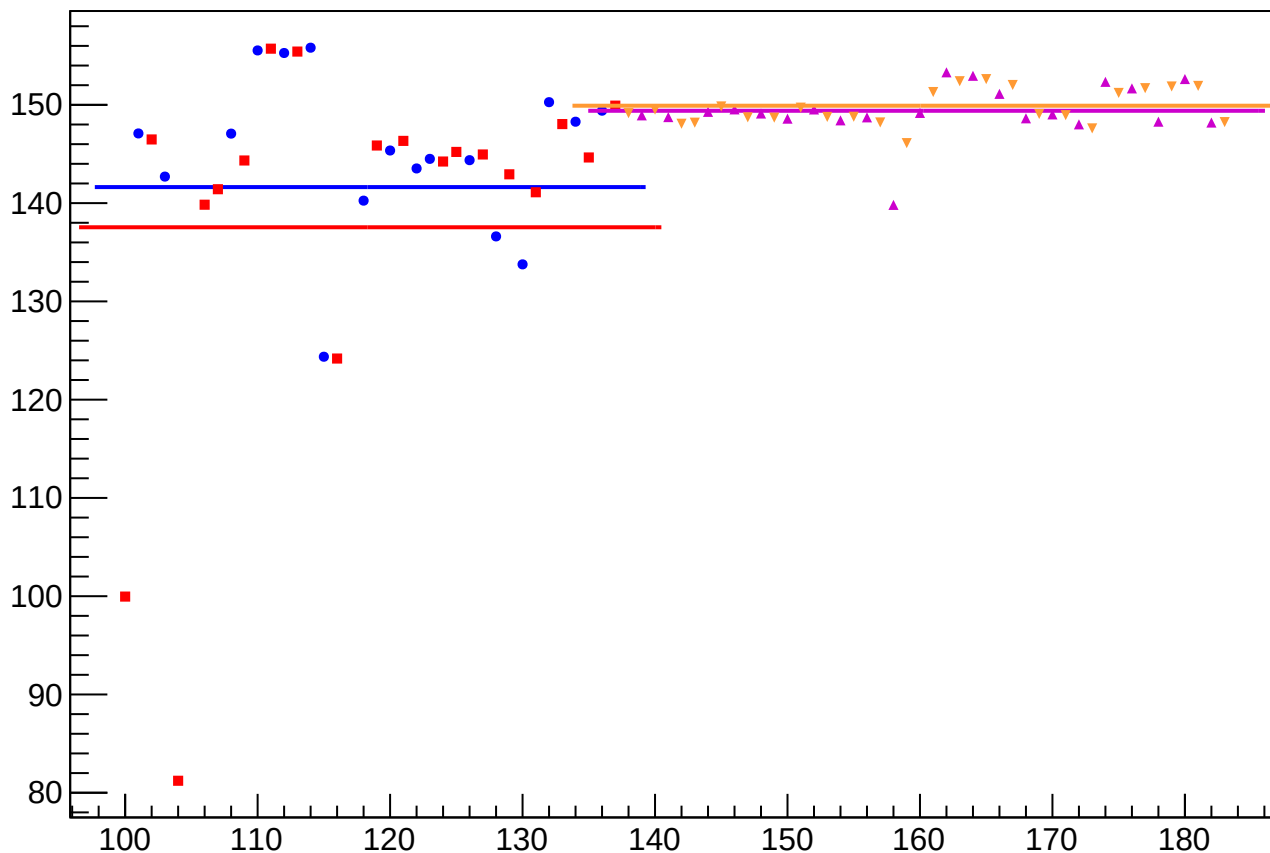
Right: 0.006 $\pm$ 0.000 χ^2 /NDF: 18200524.0/35

In: 0.007 $\pm$ 0.000 χ^2 /NDF: 35833456.9/38

Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 37477804.2/42

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 73311428.3/81

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.632 $\pm$ 0.000 χ^2 /NDF: 977430315.6/16

Left Out: 149.913 $\pm$ 0.000 χ^2 /NDF: 162517079.5/23

Right Out: 137.543 $\pm$ 0.000 χ^2 /NDF: 1320254355.4/18

Left In: 149.397 $\pm$ 0.000 χ^2 /NDF: 436727140.2/21

Left: 149.664 $\pm$ 0.000 χ^2 /NDF: 605773113.0/45

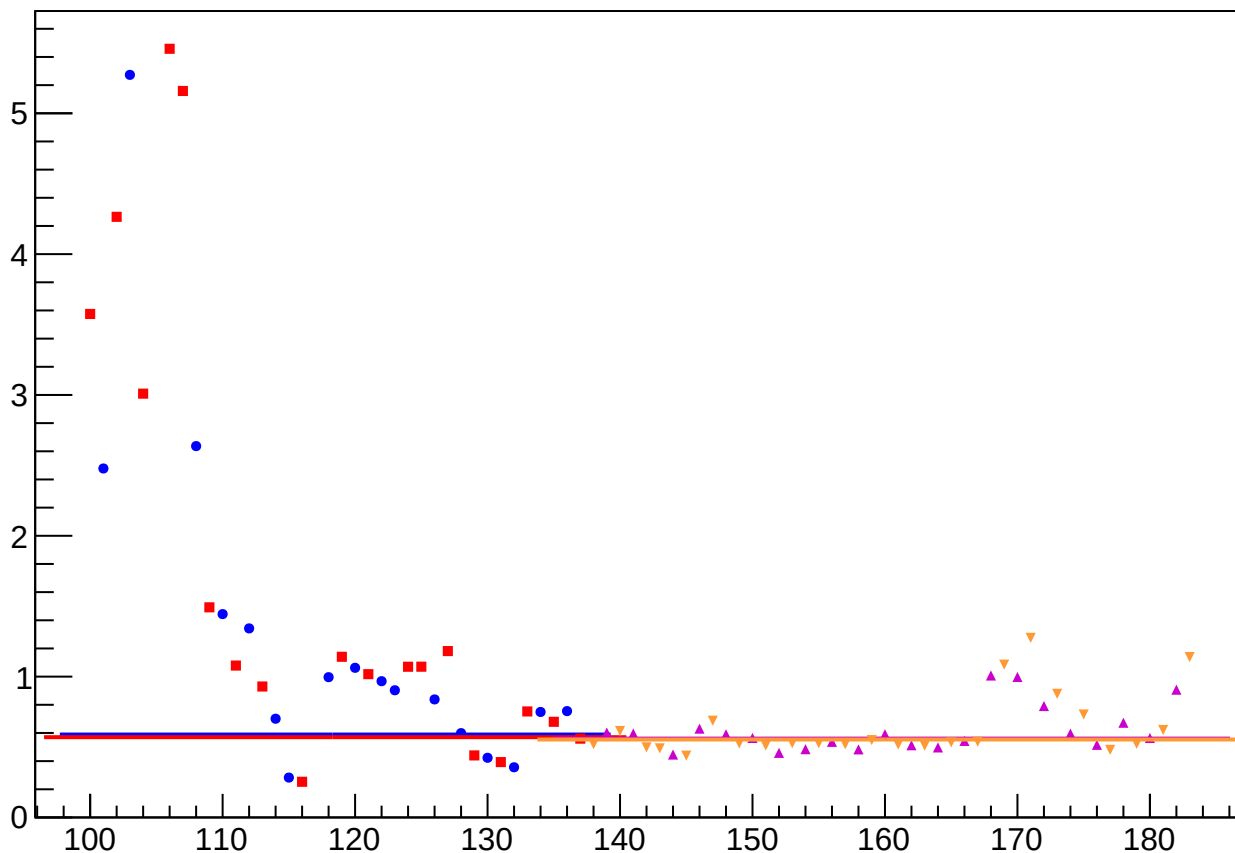
Right: 139.549 $\pm$ 0.000 χ^2 /NDF: 2383815504.1/35

In: 148.031 $\pm$ 0.000 χ^2 /NDF: 1916597748.4/38

Out: 147.793 $\pm$ 0.000 χ^2 /NDF: 2814073179.3/42

All: 147.908 $\pm$ 0.000 χ^2 /NDF: 4732357139.4

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.589+/-0.000 χ^2/NDF : 3472432.4/16

Left Out: 0.554+/-0.000 χ^2/NDF : 1665258.7/23

Right Out: 0.570+/-0.000 χ^2/NDF : 4646586.2/18

Left In: 0.560+/-0.000 χ^2/NDF : 1211771.2/21

Left: 0.557+/-0.000 χ^2/NDF : 2878996.6/45

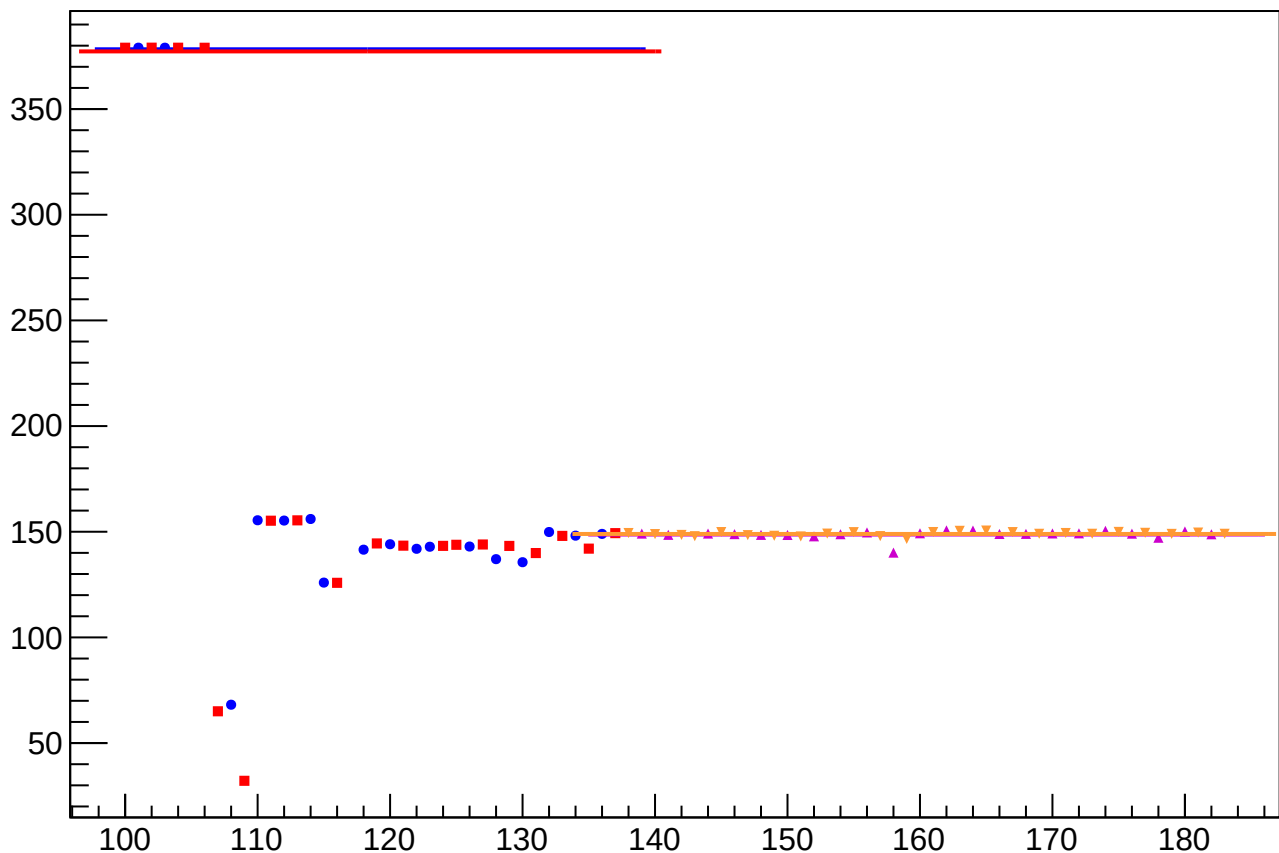
Right: 0.579+/-0.000 χ^2/NDF : 8122625.9/35

In: 0.565+/-0.000 χ^2/NDF : 4698048.2/38

Out: 0.556+/-0.000 χ^2/NDF : 6316550.1/42

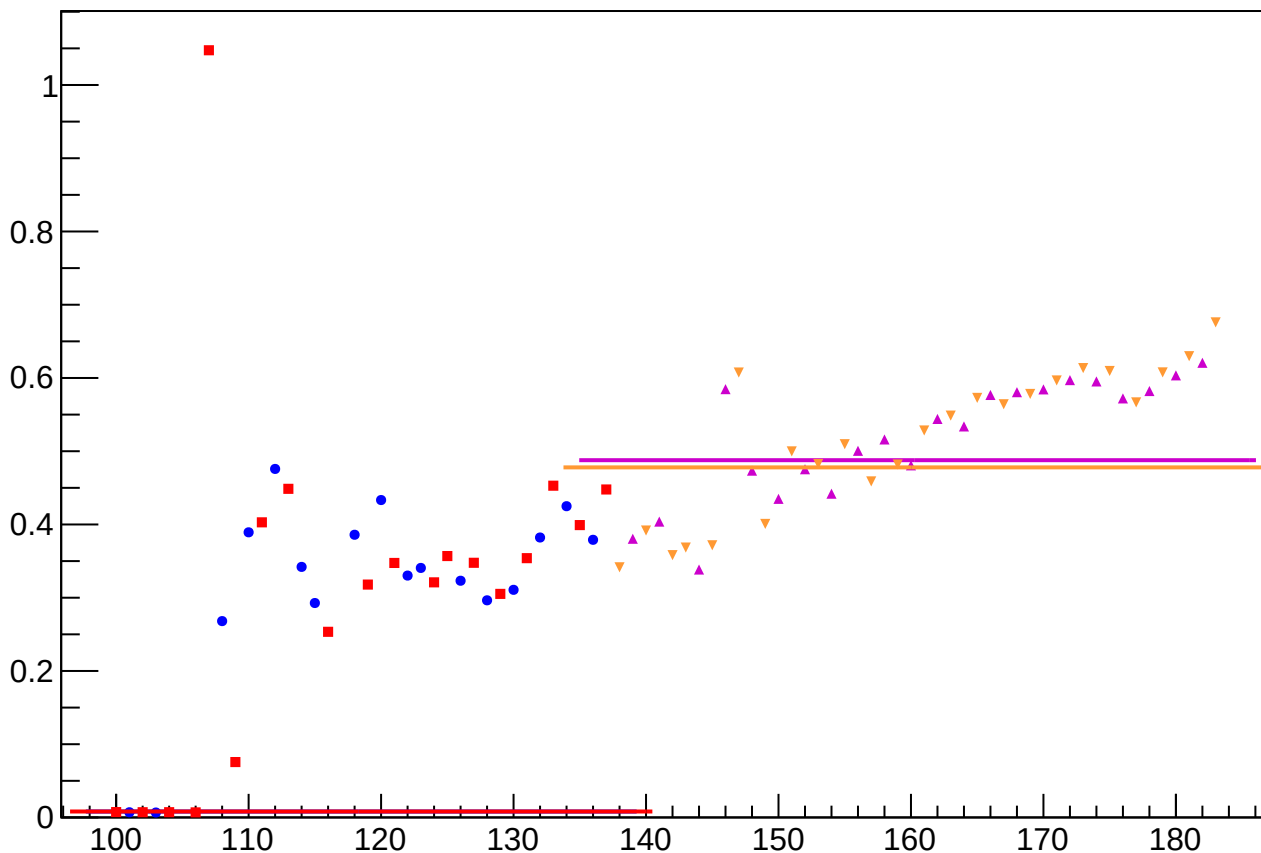
All: 0.561+/-0.000 χ^2/NDF : 11018970.5/81

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.290 +/- 0.000 χ^2/NDF : 2485728057854.8/16
 Left Out: 148.947 +/- 0.000 χ^2/NDF : 63952319.1/23
 Right Out: 377.288 +/- 0.000 χ^2/NDF : 8283929719012.3/18
 Left In: 148.680 +/- 0.000 χ^2/NDF : 253799539.0/21
 All: 376.615 +/- 0.000 χ^2/NDF : 182195661769.0/45

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9762871.0/16

Left Out: 0.478 $\pm$ 0.000 χ^2 /NDF:1460727.5/23

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9478867.5/18

Left In: 0.488 $\pm$ 0.000 χ^2 /NDF:1041794.6/21

Left: 0.483 $\pm$ 0.000 χ^2 /NDF: 2509404.7/45

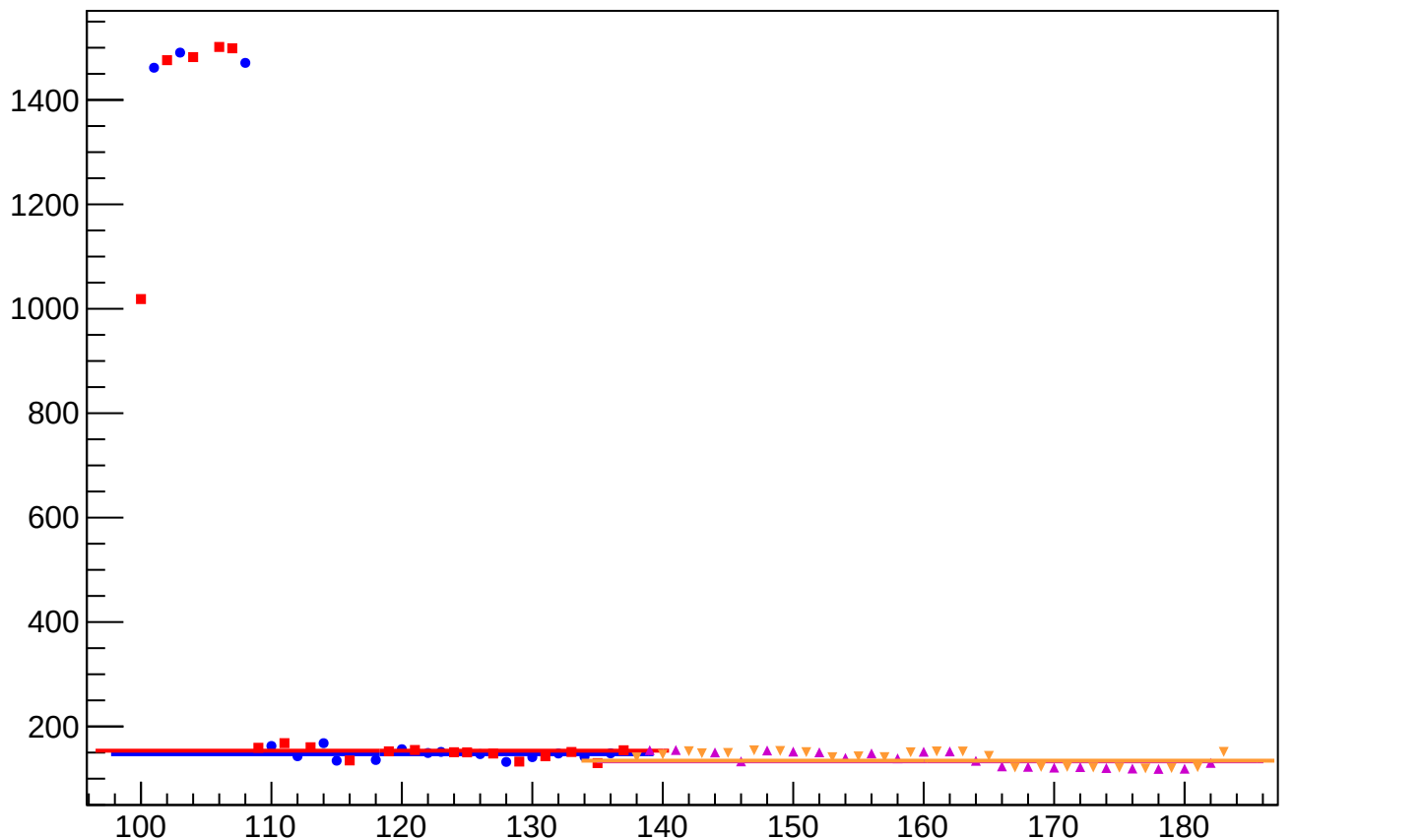
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 19241750.6/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:42078343.3/38

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:43618052.3/42

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 85696630.4/81

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.867+/-0.000 χ^2/NDF : 24355015272.8/16

Left Out: 134.496+/-0.000 χ^2/NDF : 4346787485.7/23

Right Out: 153.610+/-0.000 χ^2/NDF : 33790758108.7/18

Left In: 133.235+/-0.000 χ^2/NDF : 4339671052.4/21

Left: 133.878+/-0.000 χ^2/NDF : 8704876322.9/45

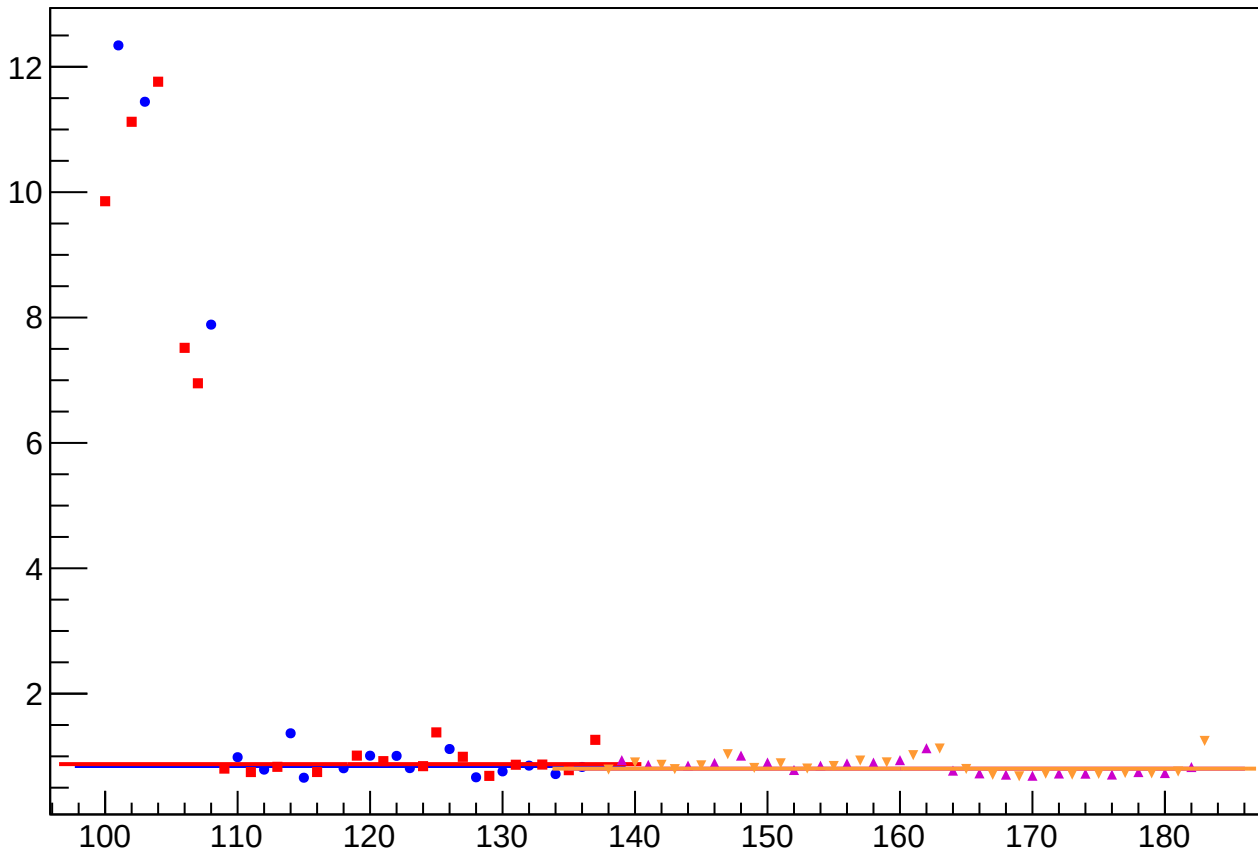
Right: 150.252+/-0.000 χ^2/NDF : 58265832063.8/35

In: 135.797+/-0.000 χ^2/NDF : 29488530170.7/38

Out: 137.998+/-0.000 χ^2/NDF : 39719616492.7/42

All: 136.916+/-0.000 χ^2/NDF : 69277115962.0/76

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.846+/-0.000 χ^2/NDF : 2668298.4/16

Left Out: 0.804+/-0.000 χ^2/NDF :625073.3/23

Right Out: 0.876+/-0.000 χ^2/NDF : 2828930.0/18

Left In: 0.803+/-0.000 χ^2/NDF :459987.2/21

Left: 0.803+/-0.000 χ^2/NDF : 1085104.6/45

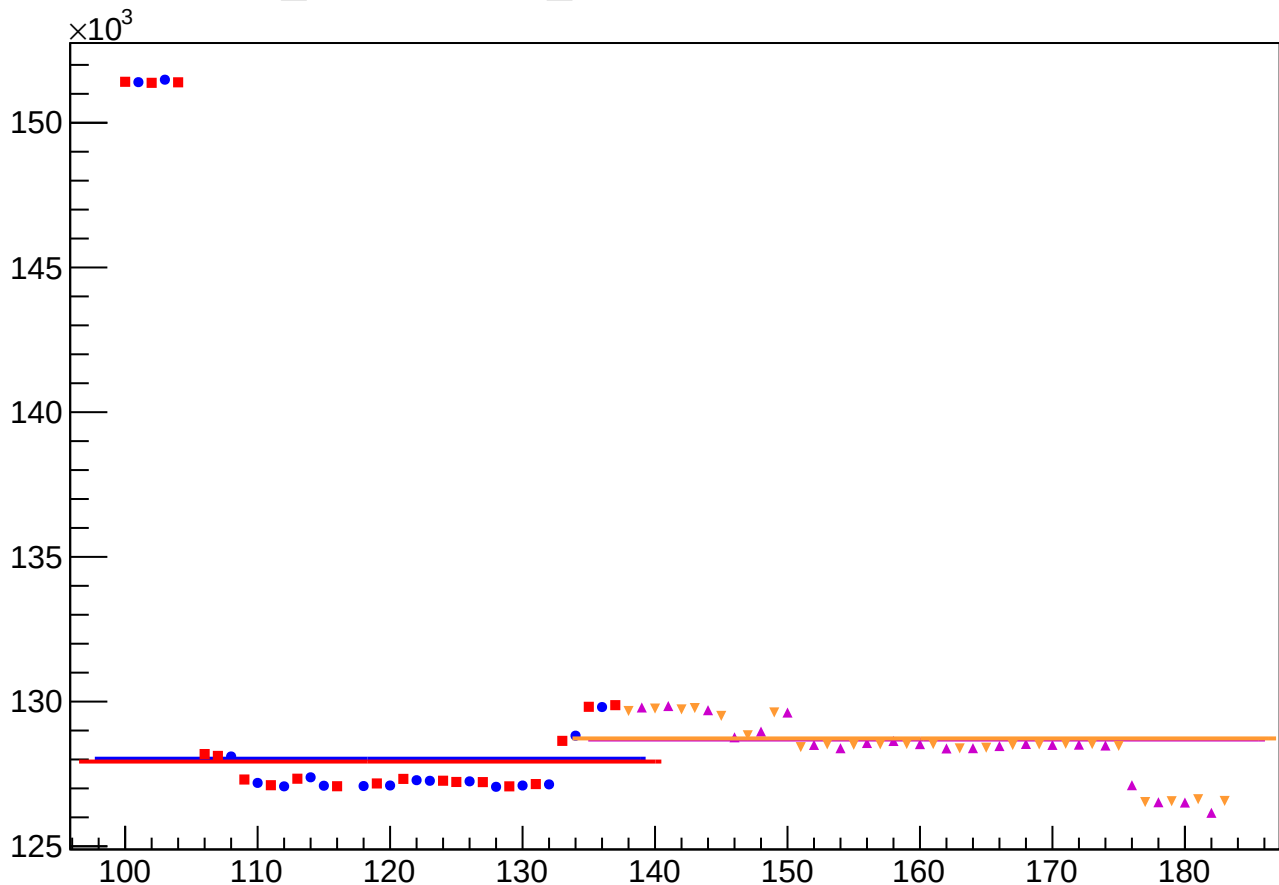
Right: 0.861+/-0.000 χ^2/NDF : 5501916.8/35

In: 0.811+/-0.000 χ^2/NDF :3144616.1/38

Out: 0.817+/-0.000 χ^2/NDF :3499069.3/42

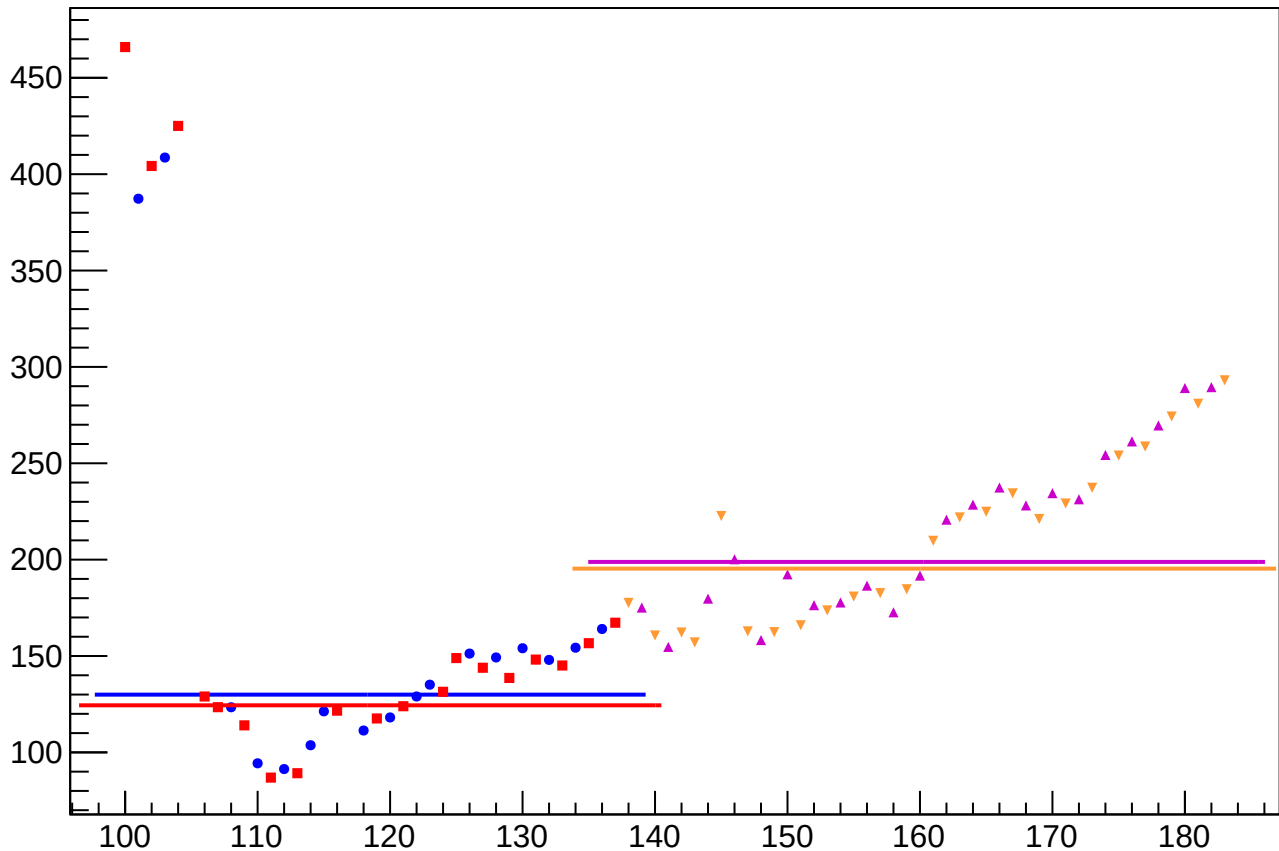
All: 0.814+/-0.000 χ^2/NDF : 6644844.5/81

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128026.197+/-0.055	χ^2/NDF : 4315820742.0/16	Left: 128708.743+/-0.034	χ^2/NDF : 651971297.7/45
Left Out: 128726.826+/-0.047	χ^2/NDF : 335995055.5/23	Right: 127973.023+/-0.037	χ^2/NDF : 8084520593.8/16
Right Out: 127927.799+/-0.050	χ^2/NDF : 3766946876.4/18	In: 128393.317+/-0.036	χ^2/NDF : 4712996442.1/38
Left In: 128688.902+/-0.049	χ^2/NDF : 315663140.1/21	Out: 128356.741+/-0.034	χ^2/NDF : 4237956114.3/4
		All: 128373.895+/-0.025	χ^2/NDF : 895148616.0/10

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.956 $\pm$ 0.039 χ^2 /NDF: 1484094.0/16

Left Out: 195.351 $\pm$ 0.033 χ^2 /NDF:1261788.5/23

Right Out: 124.419 $\pm$ 0.036 χ^2 /NDF: 1525709.6/18

Left In: 198.820 $\pm$ 0.035 χ^2 /NDF:1120354.8/21

Left: 197.005 $\pm$ 0.024 χ^2 /NDF: 2387380.8/45

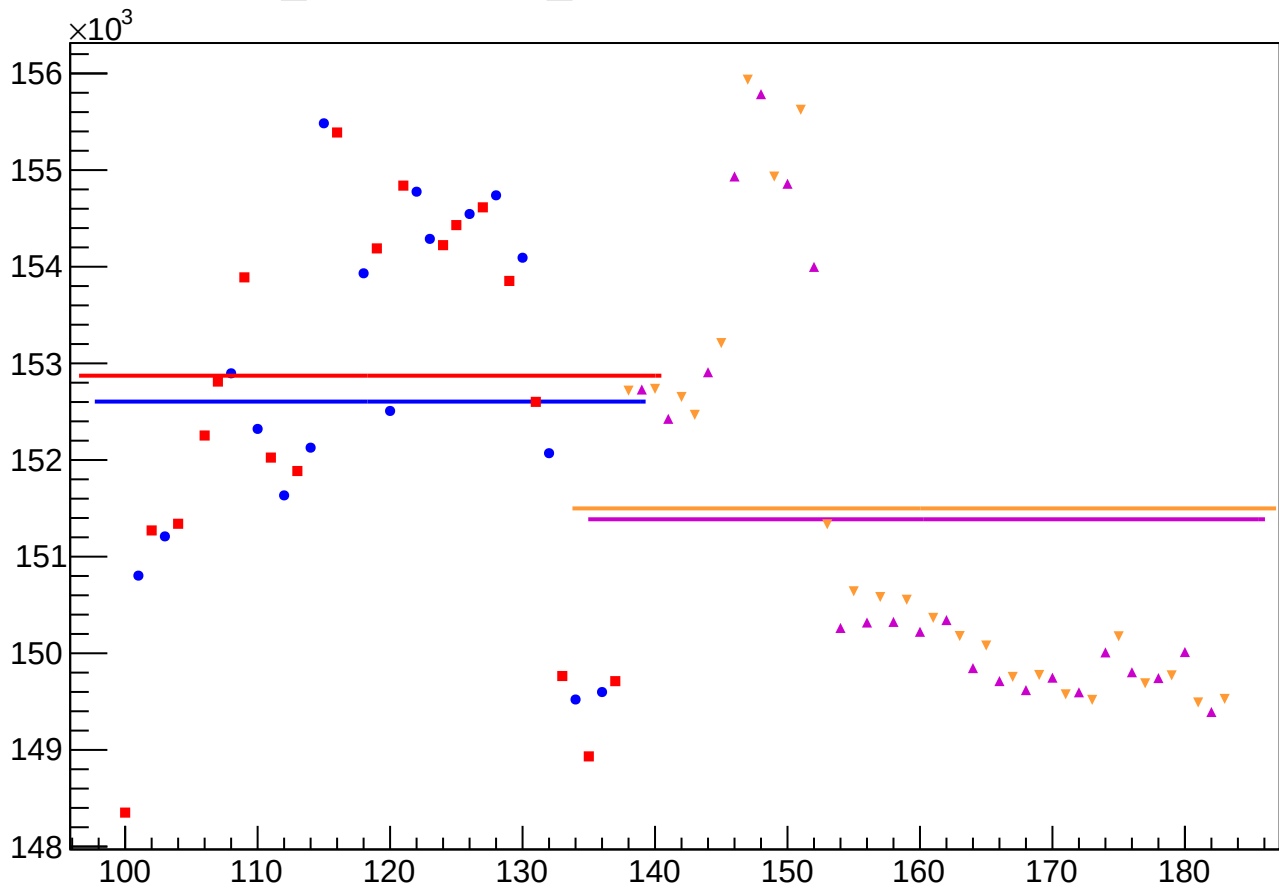
Right: 126.964 $\pm$ 0.026 χ^2 /NDF: 3020906.3/35

In: 168.105 $\pm$ 0.026 χ^2 /NDF:4364760.2/38

Out: 162.498 $\pm$ 0.024 χ^2 /NDF:4915518.2/42

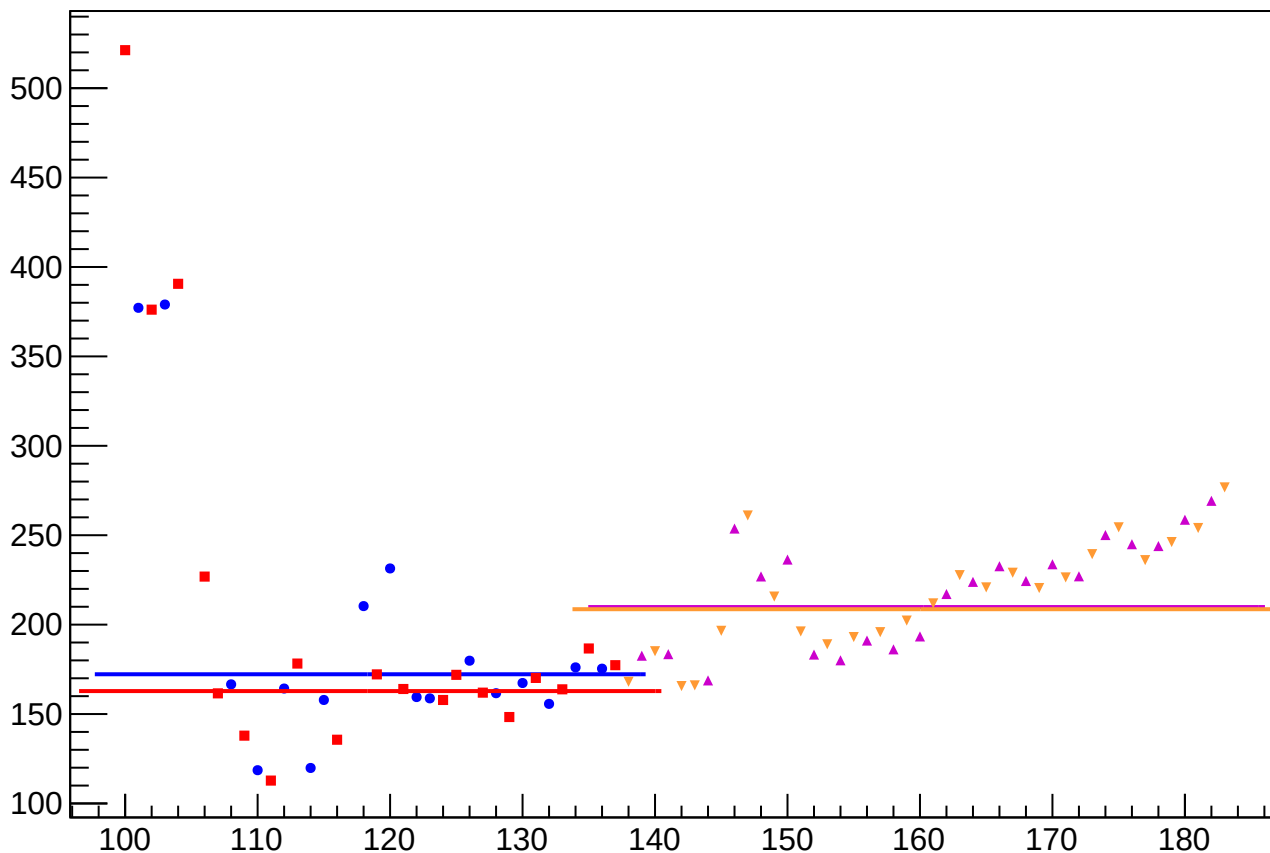
All: 165.127 $\pm$ 0.018 χ^2 /NDF: 9305358.0/81

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152604.581 $\pm$ 0.072 χ^2 /NDF: 618623287.4/16
 Left Out: 151499.052 $\pm$ 0.050 χ^2 /NDF: 1466067822.1/23
 Right Out: 152872.589 $\pm$ 0.066 χ^2 /NDF: 715748064.0/18
 Left In: 151386.678 $\pm$ 0.051 χ^2 /NDF: 1403936073.6/21
 Left: 151444.866 $\pm$ 0.036 χ^2 /NDF: 2872471782.2/4
 Right: 152750.468 $\pm$ 0.049 χ^2 /NDF: 1341835055.0/4
 In: 151795.762 $\pm$ 0.042 χ^2 /NDF: 2210600868.8/38
 Out: 151993.611 $\pm$ 0.040 χ^2 /NDF: 2457131536.3/4
 All: 151900.039 $\pm$ 0.029 χ^2 /NDF: 467945750.0/100

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.246+/-0.051 χ^2/NDF : 925645.6/16

Left Out: 208.626+/-0.035 χ^2/NDF : 681818.8/23

Right Out: 162.843+/-0.047 χ^2/NDF : 1031113.1/18

Left In: 209.841+/-0.036 χ^2/NDF : 657009.9/21

Left: 209.212+/-0.025 χ^2/NDF : 1339406.4/45

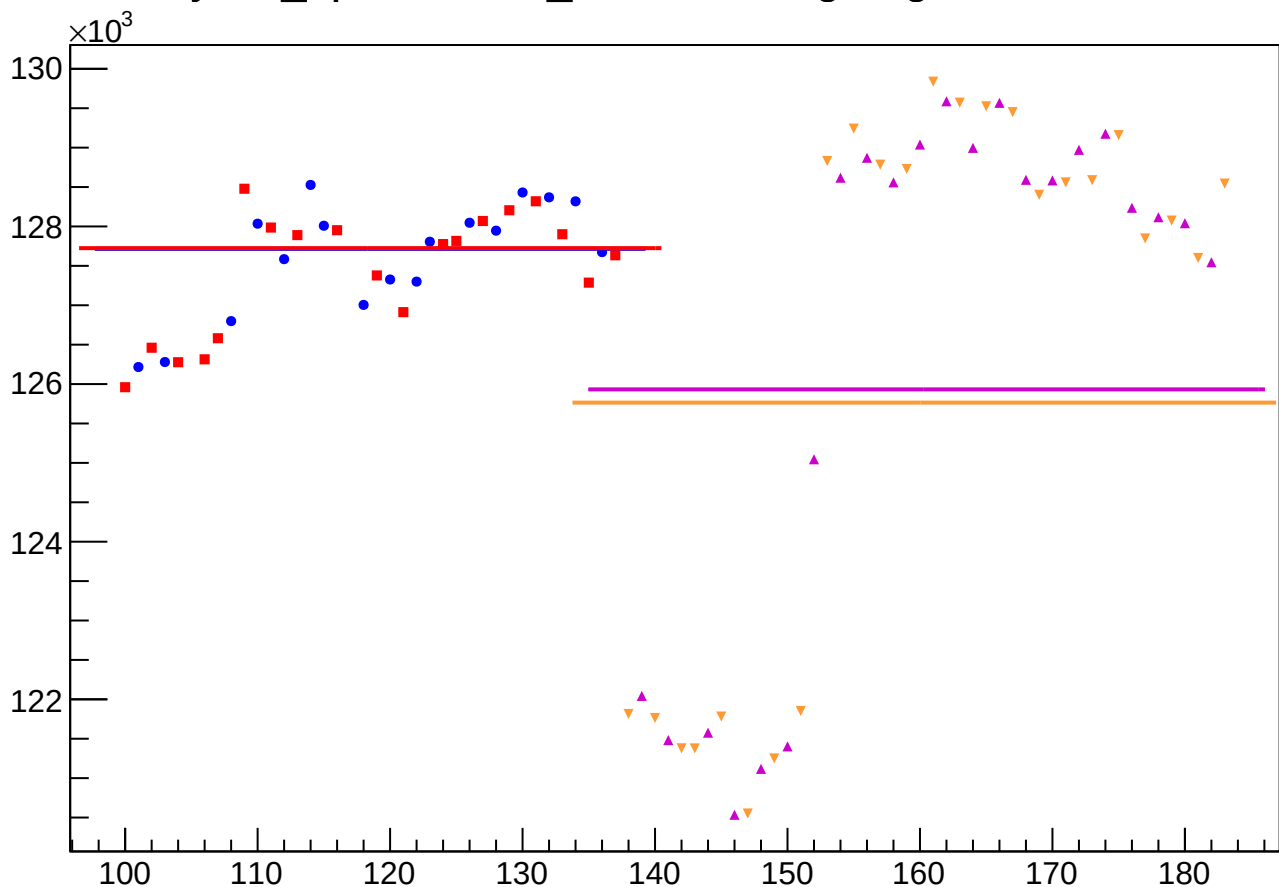
Right: 167.127+/-0.035 χ^2/NDF : 1975134.5/35

In: 197.213+/-0.030 χ^2/NDF : 1941022.8/38

Out: 192.141+/-0.028 χ^2/NDF : 2324701.7/42

All: 194.540+/-0.020 χ^2/NDF : 4281138.6/81

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127716.166 $\pm$ 0.058 χ^2 /NDF: 94931980.7/16

Left Out: 125764.884 $\pm$ 0.044 χ^2 /NDF: 6708735046.8/23

Right Out: 127724.552 $\pm$ 0.055 χ^2 /NDF: 112583303.4/18

Left In: 125932.563 $\pm$ 0.045 χ^2 /NDF: 5821240012.1/21

Left: 125847.381 $\pm$ 0.031 χ^2 /NDF: 12537067164.0/16

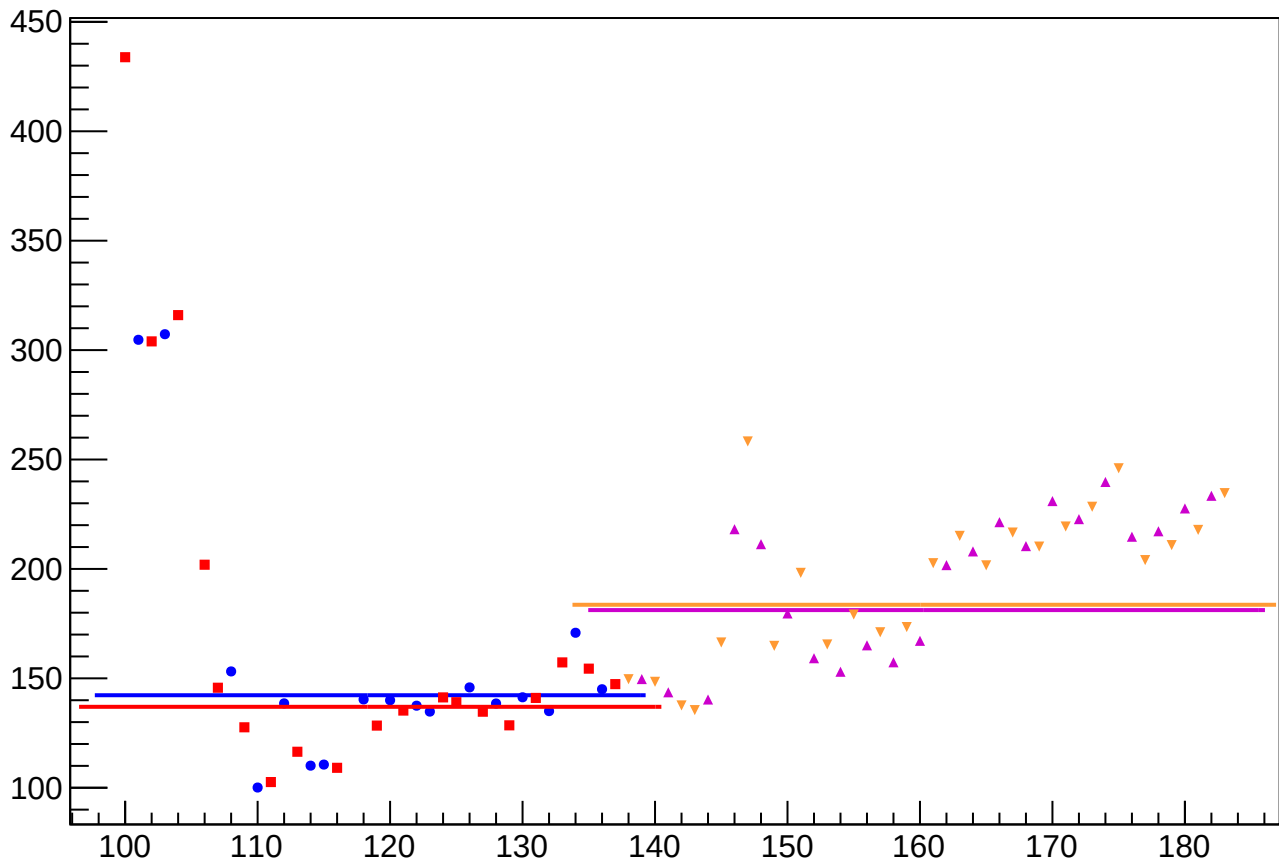
Right: 127720.646 $\pm$ 0.040 χ^2 /NDF: 207526294.1/3

In: 126594.624 $\pm$ 0.036 χ^2 /NDF: 6502498636.6/38

Out: 126540.885 $\pm$ 0.034 χ^2 /NDF: 7600971838.2/4

All: 126566.784 $\pm$ 0.025 χ^2 /NDF: 141046518

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.282+/-0.041 χ^2/NDF : 836459.8/16

Left Out: 183.623+/-0.031 χ^2/NDF : 1108153.0/23

Right Out: 136.989+/-0.039 χ^2/NDF : 956883.0/18

Left In: 181.188+/-0.032 χ^2/NDF : 1087387.2/21

Left: 182.425+/-0.022 χ^2/NDF : 2198530.7/45

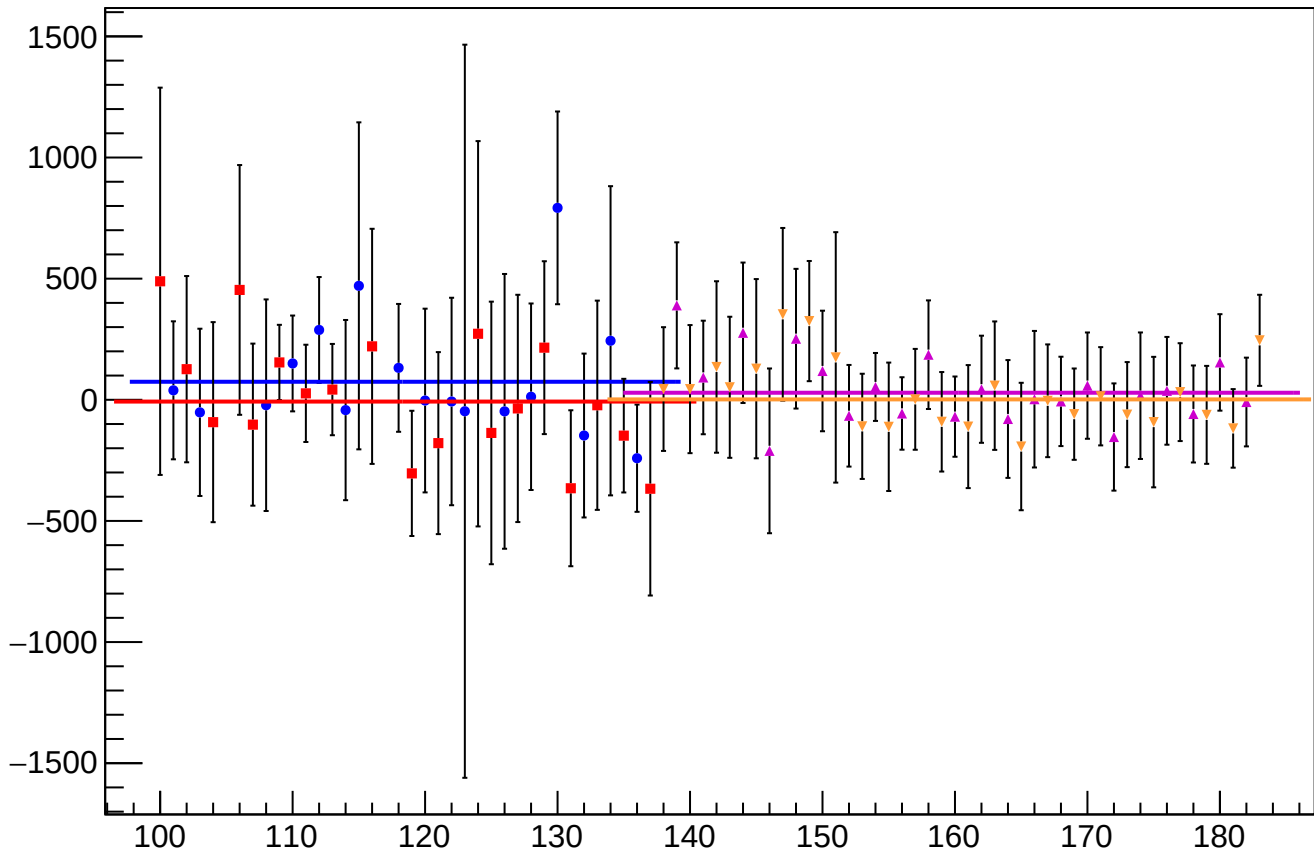
Right: 139.455+/-0.028 χ^2/NDF : 1802113.8/35

In: 166.746+/-0.025 χ^2/NDF : 2481822.0/38

Out: 165.157+/-0.024 χ^2/NDF : 2948040.5/42

All: 165.923+/-0.017 χ^2/NDF : 5431930.2/81

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.411+/-79.831 χ^2/NDF : 7.7/16

Left Out: 1.640+/-48.093 χ^2/NDF : 7.2/23

Right Out: -7.330+/-70.110 χ^2/NDF : 7.2/18

Left In: 29.104+/-45.093 χ^2/NDF : 6.9/21

Left: 16.255+/-32.895 χ^2/NDF : 14.3/45

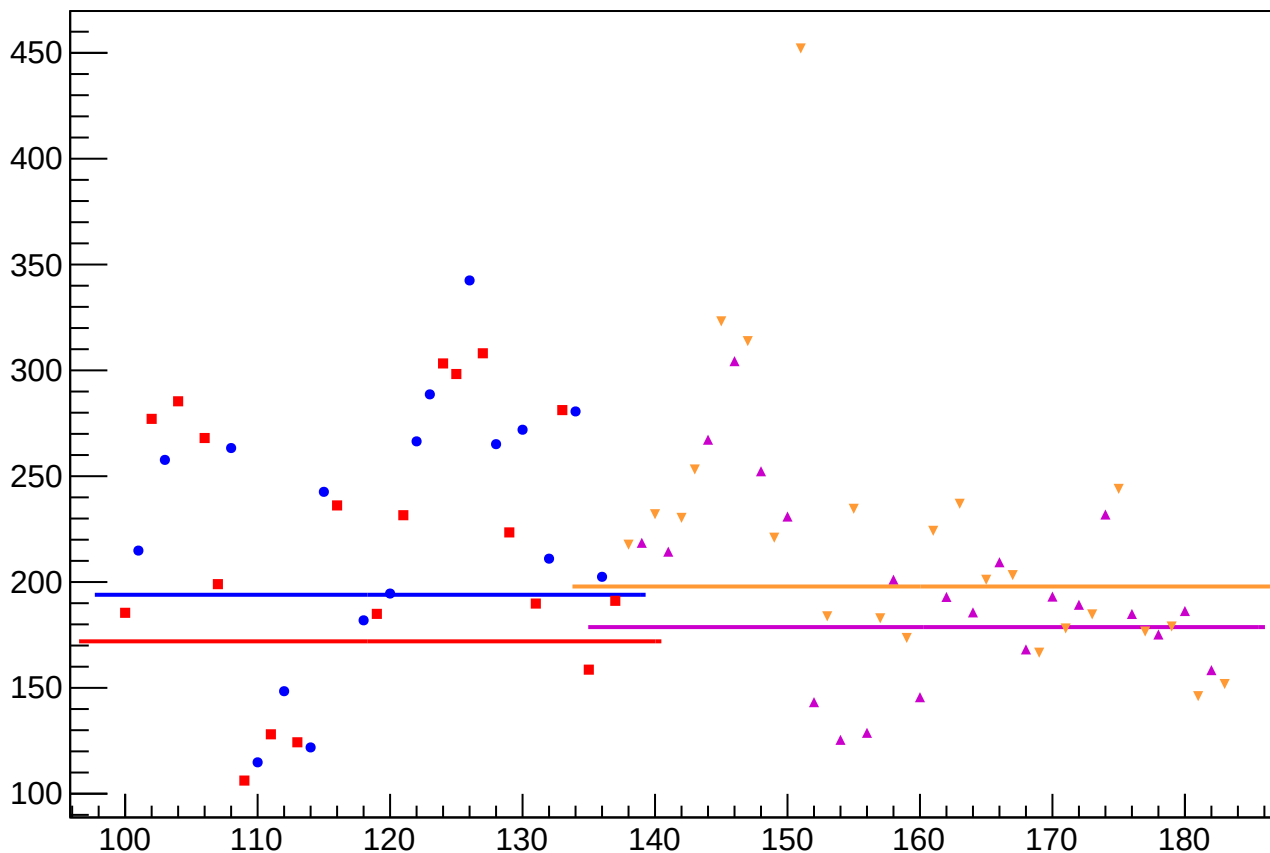
Right: 28.263+/-52.679 χ^2/NDF : 15.5/35

In: 40.063+/-39.262 χ^2/NDF : 14.9/38

Out: -1.230+/-39.659 χ^2/NDF : 14.4/42

All: 19.624+/-27.902 χ^2/NDF : 29.9/81

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.981 ± 0.056 $\chi^2/\text{NDF}: 1018863.8/16$

Left Out: 197.892 ± 0.034 $\chi^2/\text{NDF}: 1732079.1/23$

Right Out: 171.982 ± 0.050 $\chi^2/\text{NDF}: 1574584.7/18$

Left In: 178.716 ± 0.032 $\chi^2/\text{NDF}: 1605967.0/21$

Left: 187.687 ± 0.023 $\chi^2/\text{NDF}: 3507240.0/45$

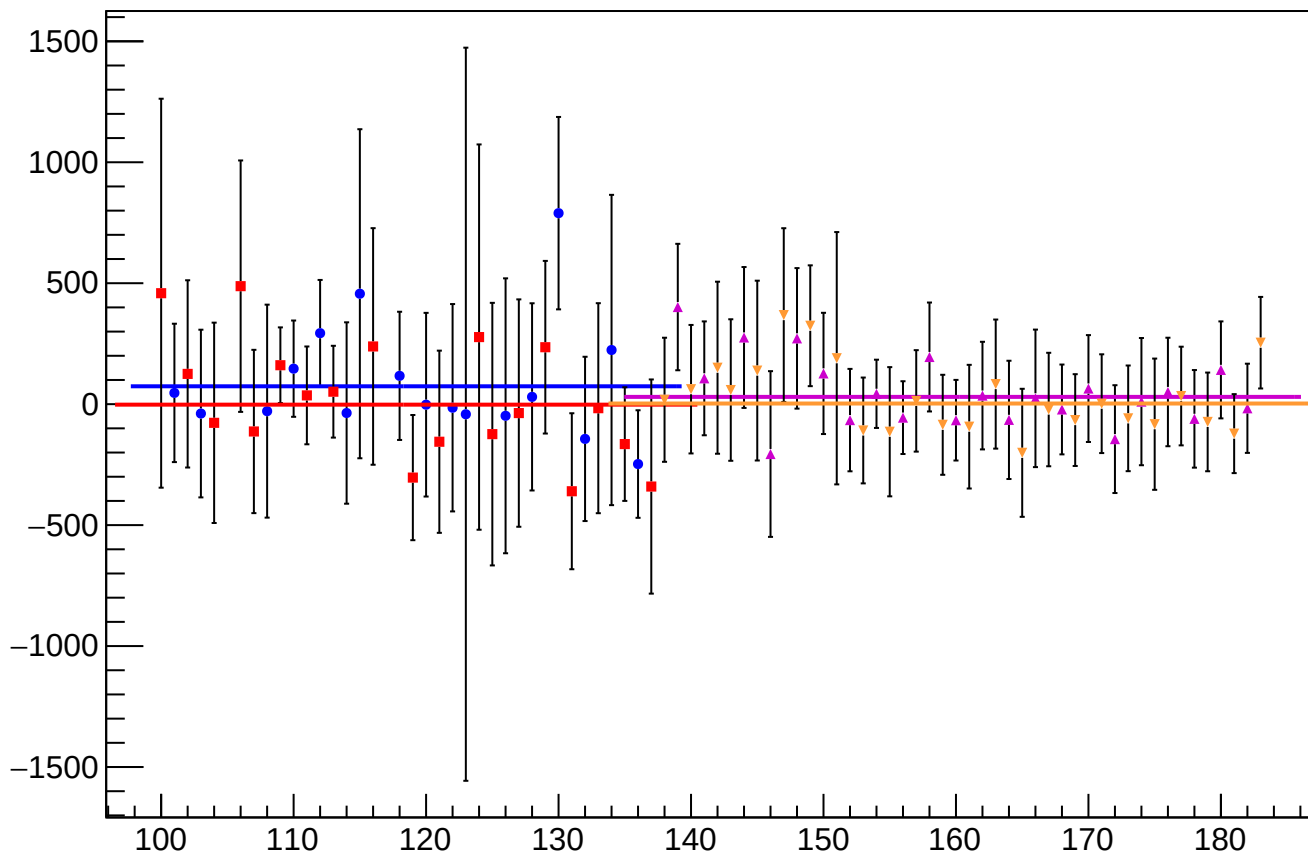
Right: 181.561 ± 0.037 $\chi^2/\text{NDF}: 2679188.8/35$

In: 182.409 ± 0.028 $\chi^2/\text{NDF}: 2680265.5/38$

Out: 189.601 ± 0.028 $\chi^2/\text{NDF}: 3492402.0/42$

All: 185.969 ± 0.020 $\chi^2/\text{NDF}: 6205887.6/81$

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 73.870+/-80.221 χ^2/NDF : 7.7/16

Left Out: 2.635+/-48.428 χ^2/NDF : 7.5/23

Right Out: -2.039+/-70.480 χ^2/NDF : 7.4/18

Left In: 30.094+/-45.387 χ^2/NDF : 7.0/21

Left: 17.253+/-33.116 χ^2/NDF : 14.7/45

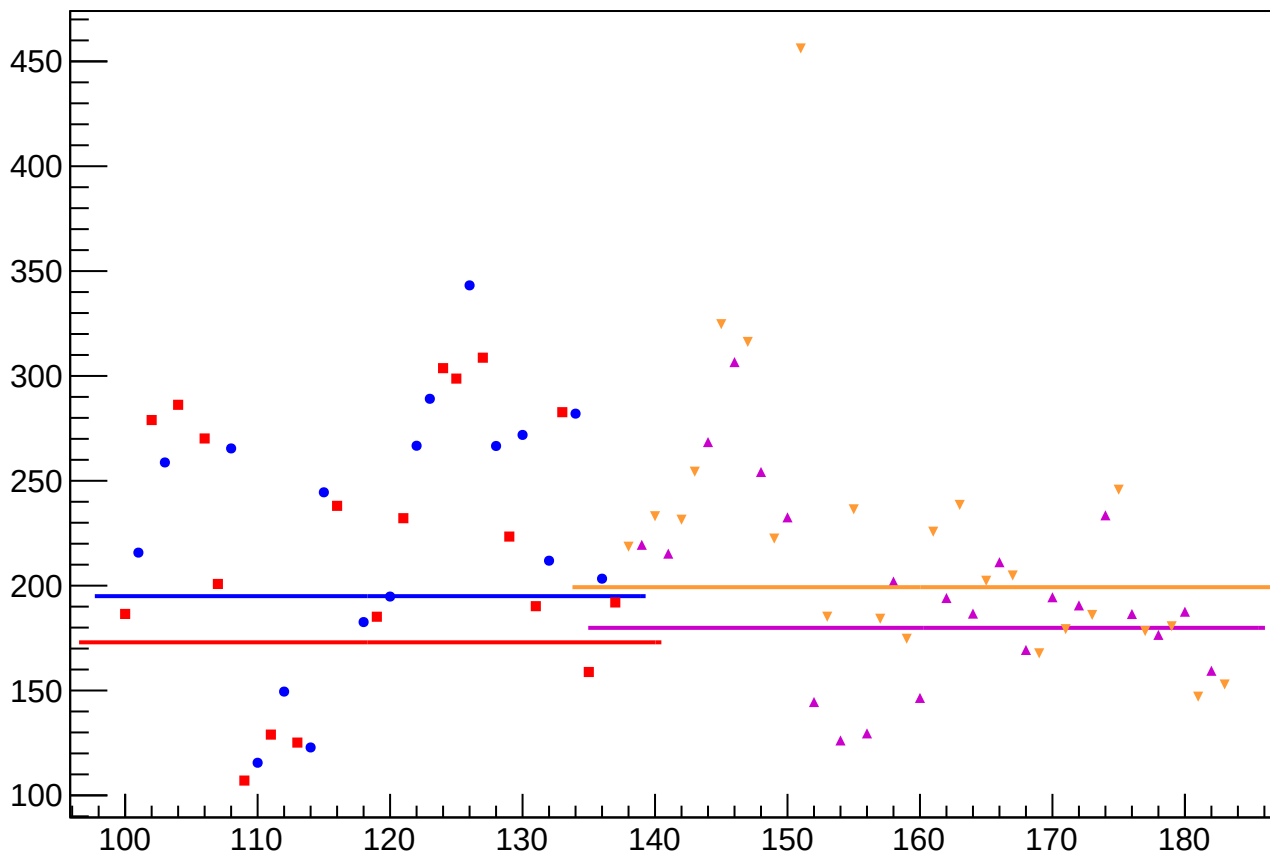
Right: 31.030+/-52.948 χ^2/NDF : 15.5/35

In: 40.709+/-39.503 χ^2/NDF : 14.9/38

Out: 1.136+/-39.914 χ^2/NDF : 14.9/42

All: 21.127+/-28.077 χ^2/NDF : 30.3/81

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.991 ± 0.057 χ^2/NDF : 1010319.8/16

Left Out: 199.275 ± 0.034 χ^2/NDF : 1728032.9/23

Right Out: 172.973 ± 0.050 χ^2/NDF : 1562363.3/18

Left In: 179.876 ± 0.032 χ^2/NDF : 1605354.9/21

Left: 188.947 ± 0.023 χ^2/NDF : 3504241.6/45

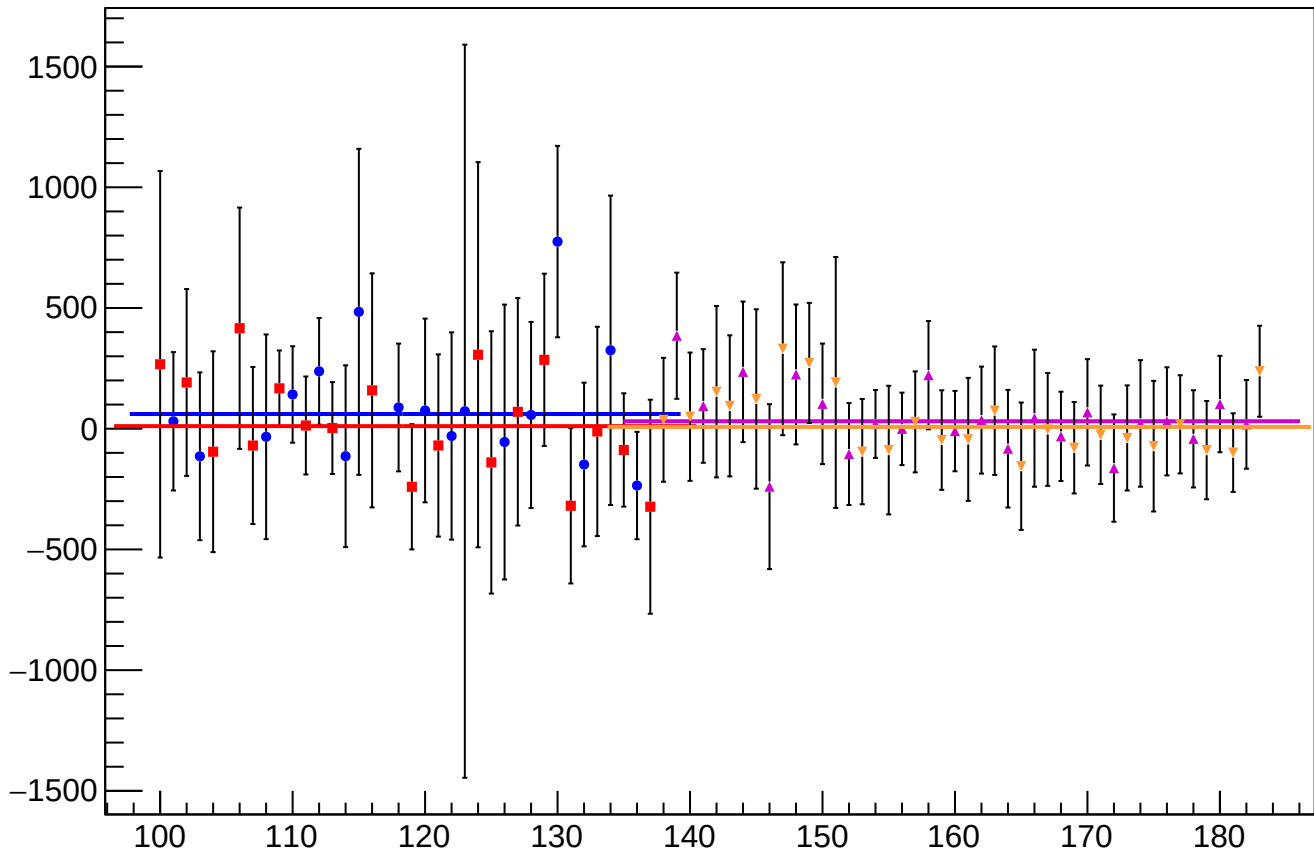
Right: 182.565 ± 0.037 χ^2/NDF : 2657714.7/35

In: 183.541 ± 0.028 χ^2/NDF : 2669462.4/38

Out: 190.840 ± 0.028 χ^2/NDF : 3479599.4/42

All: 187.153 ± 0.020 χ^2/NDF : 6182845.0/81

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 60.929 $\pm$ 80.216 χ^2 /NDF: 7.4/16

Left Out: 7.524 $\pm$ 48.303 χ^2 /NDF: 5.9/23

Right Out: 10.668 $\pm$ 70.402 χ^2 /NDF: 5.8/18

Left In: 30.951 $\pm$ 45.267 χ^2 /NDF: 6.2/21

Left: 19.997 $\pm$ 33.030 χ^2 /NDF: 12.2/45

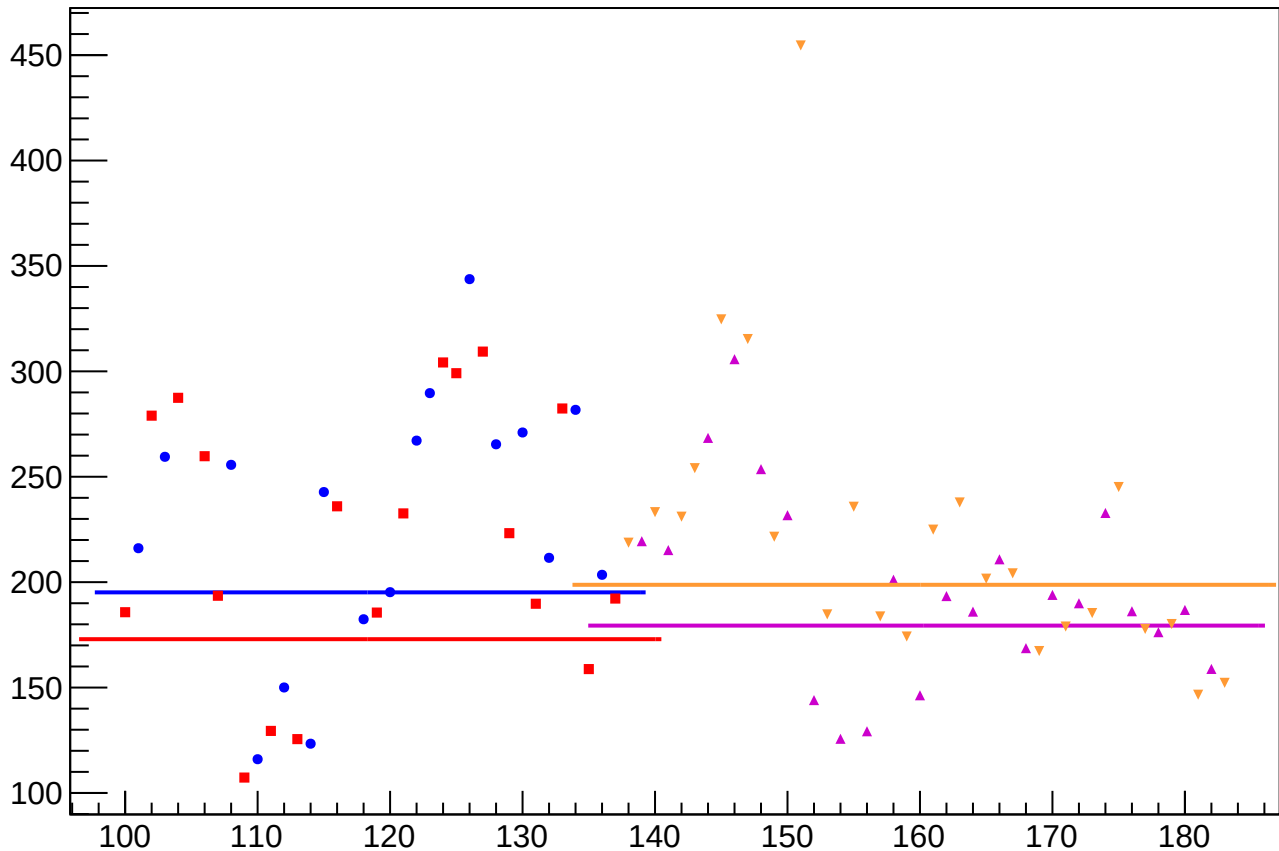
Right: 32.537 $\pm$ 52.913 χ^2 /NDF: 13.4/35

In: 38.191 $\pm$ 39.423 χ^2 /NDF: 13.7/38

Out: 8.530 $\pm$ 39.830 χ^2 /NDF: 11.7/42

All: 23.513 $\pm$ 28.019 χ^2 /NDF: 25.7/81

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 195.157 ± 0.057 $\chi^2/\text{NDF}: 988306.7/16$

Left Out: 198.746 ± 0.034 $\chi^2/\text{NDF}: 1733384.8/23$

Right Out: 172.948 ± 0.050 $\chi^2/\text{NDF}: 1539308.8/18$

Left In: 179.392 ± 0.032 $\chi^2/\text{NDF}: 1609131.1/21$

Left: 188.441 ± 0.023 $\chi^2/\text{NDF}: 3513464.7/45$

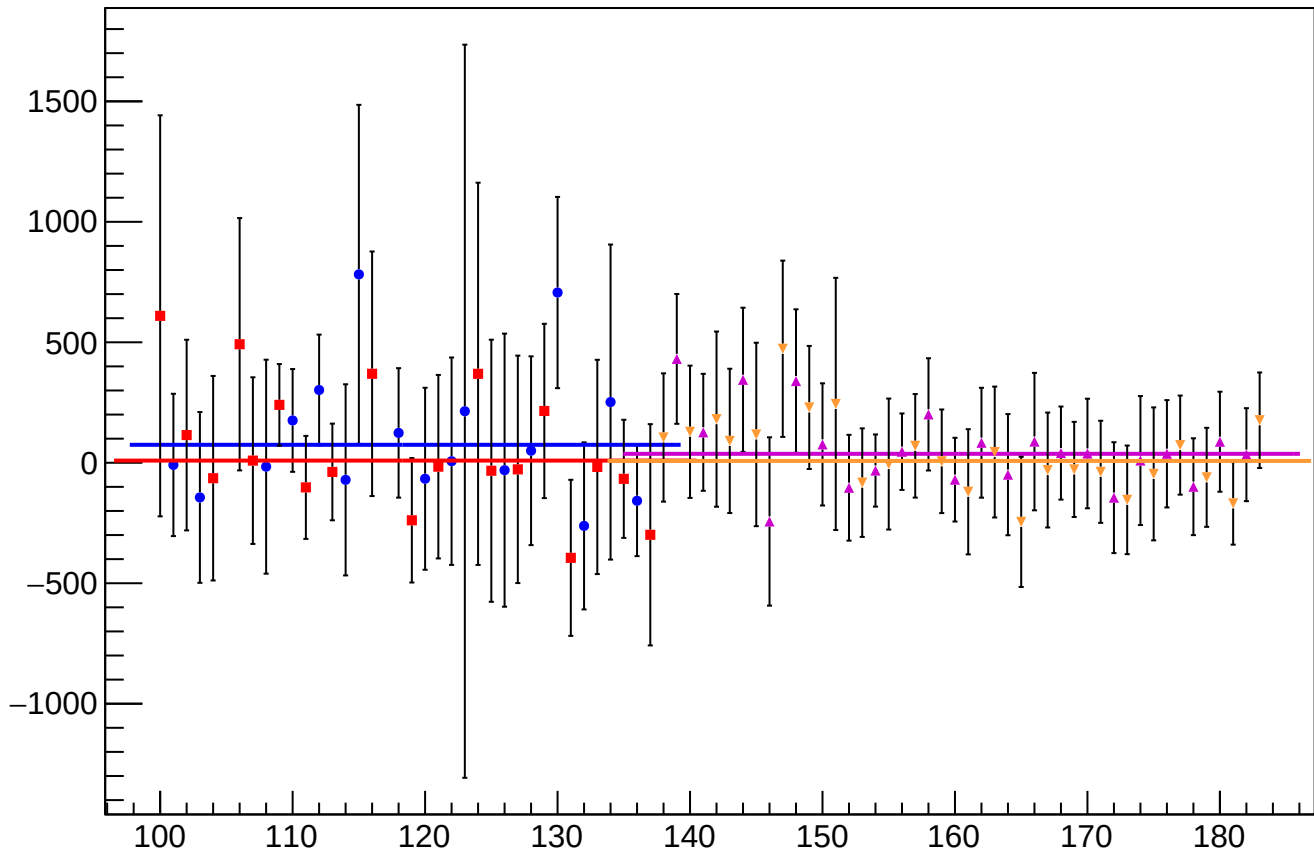
Right: 182.611 ± 0.037 $\chi^2/\text{NDF}: 2614216.7/35$

In: 183.199 ± 0.028 $\chi^2/\text{NDF}: 2656026.6/38$

Out: 190.488 ± 0.028 $\chi^2/\text{NDF}: 3455294.6/42$

All: 186.807 ± 0.020 $\chi^2/\text{NDF}: 6145155.4/81$

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 74.541 $\pm$ 82.742 χ^2 /NDF: 7.7/16

Left Out: 7.664 $\pm$ 49.801 χ^2 /NDF:7.3/23

Right Out: 9.056 $\pm$ 73.353 χ^2 /NDF: 7.7/18

Left In: 37.155 $\pm$ 46.887 χ^2 /NDF:7.9/21

Left: 23.297 $\pm$ 34.138 χ^2 /NDF: 15.4/45

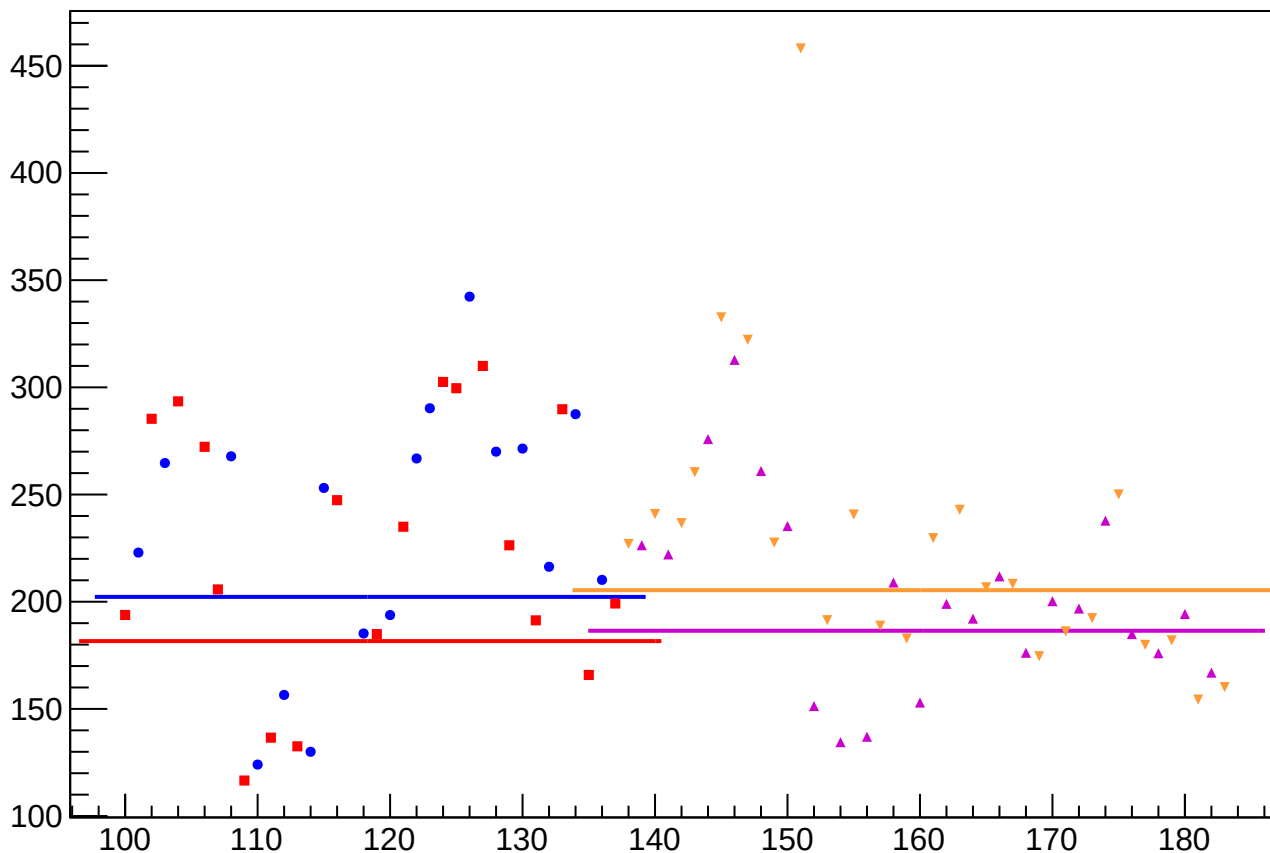
Right: 37.874 $\pm$ 54.889 χ^2 /NDF: 15.8/35

In: 46.242 $\pm$ 40.793 χ^2 /NDF:15.7/38

Out: 8.103 $\pm$ 41.203 χ^2 /NDF:15.1/42

All: 27.363 $\pm$ 28.989 χ^2 /NDF: 31.2/81

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.251+/-0.059 χ^2/NDF : 883731.1/16

Left Out: 205.388+/-0.035 χ^2/NDF :1631333.2/23

Right Out: 181.640+/-0.052 χ^2/NDF : 1373481.9/18

Left In: 186.463+/-0.033 χ^2/NDF :1448593.7/21

Left: 195.356+/-0.024 χ^2/NDF : 3233018.4/45

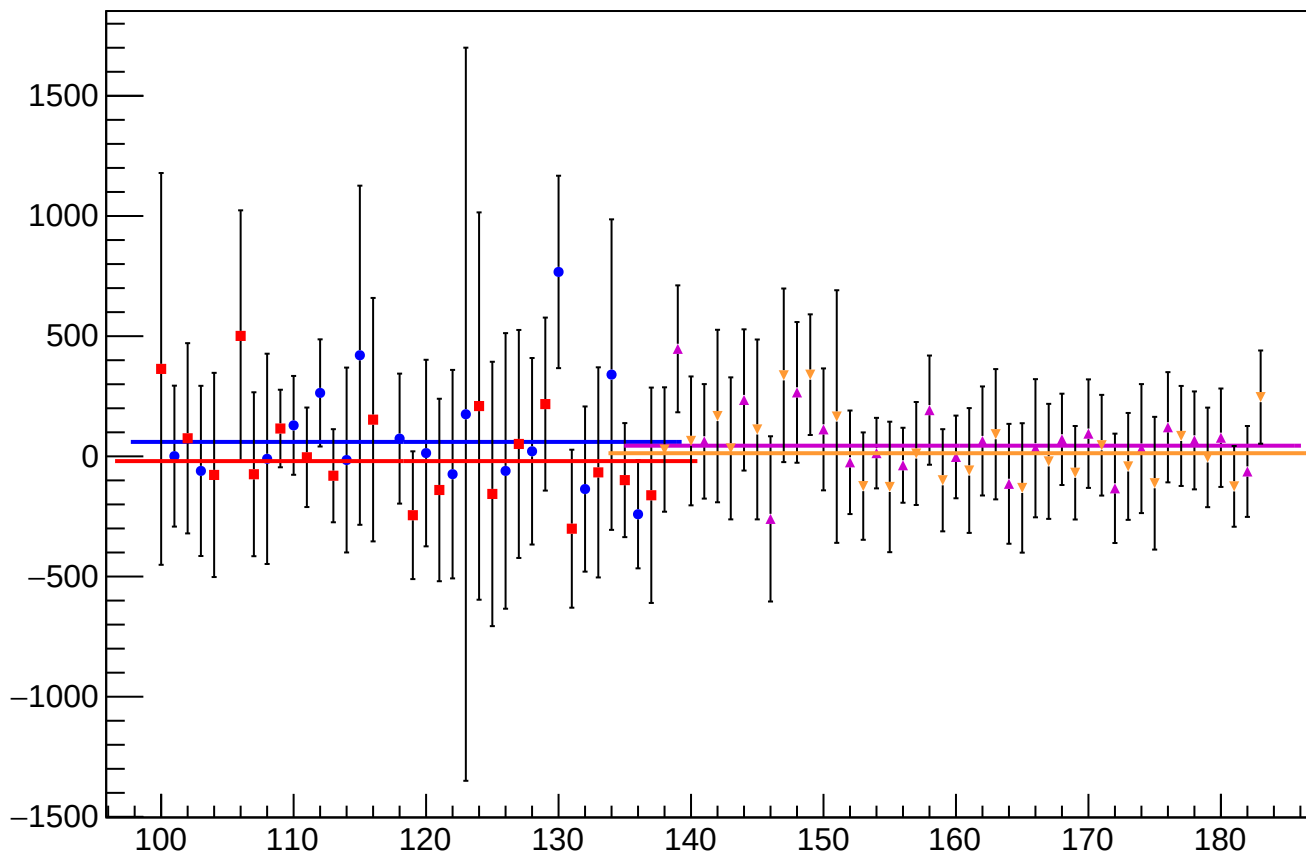
Right: 190.710+/-0.039 χ^2/NDF : 2326703.3/35

In: 190.301+/-0.029 χ^2/NDF :2387440.2/38

Out: 197.895+/-0.029 χ^2/NDF :3148300.4/42

All: 194.060+/-0.020 χ^2/NDF : 5570051.7/81

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 60.119+/-81.659 χ^2/NDF : 7.0/16

Left Out: 13.097+/-49.349 χ^2/NDF : 7.0/23

Right Out: -19.746+/-71.914 χ^2/NDF : 4.6/18

Left In: 44.366+/-46.393 χ^2/NDF : 6.7/21

Left: 29.696+/-33.801 χ^2/NDF : 13.9/45

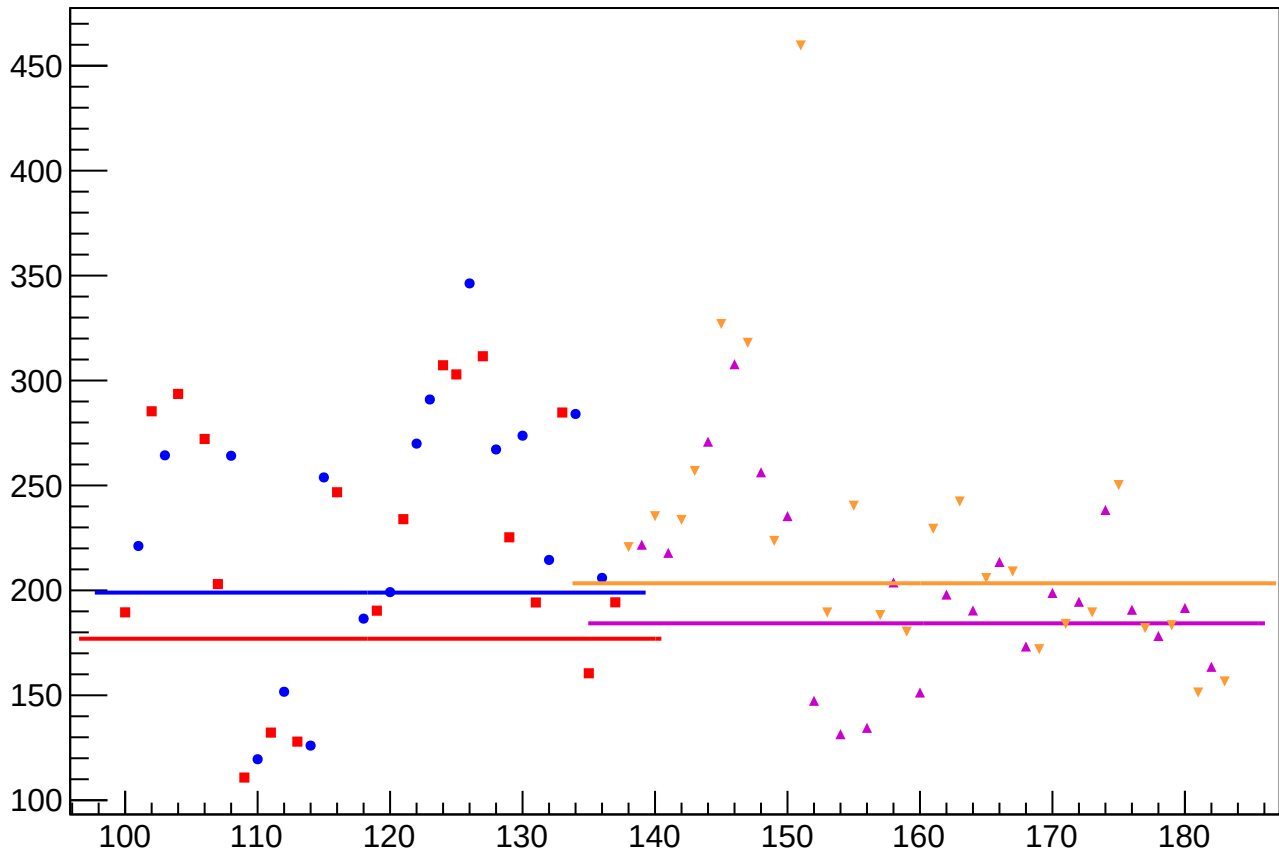
Right: 15.139+/-53.969 χ^2/NDF : 12.2/35

In: 48.210+/-40.337 χ^2/NDF : 13.7/38

Out: 2.582+/-40.690 χ^2/NDF : 11.8/42

All: 25.595+/-28.647 χ^2/NDF : 26.1/81

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.943+/-0.058 χ^2/NDF : 965773.2/16

Left Out: 203.385+/-0.035 χ^2/NDF : 1648597.4/23

Right Out: 176.962+/-0.051 χ^2/NDF : 1519544.5/18

Left In: 184.293+/-0.033 χ^2/NDF : 1483134.2/21

Left: 193.250+/-0.024 χ^2/NDF : 3290647.7/45

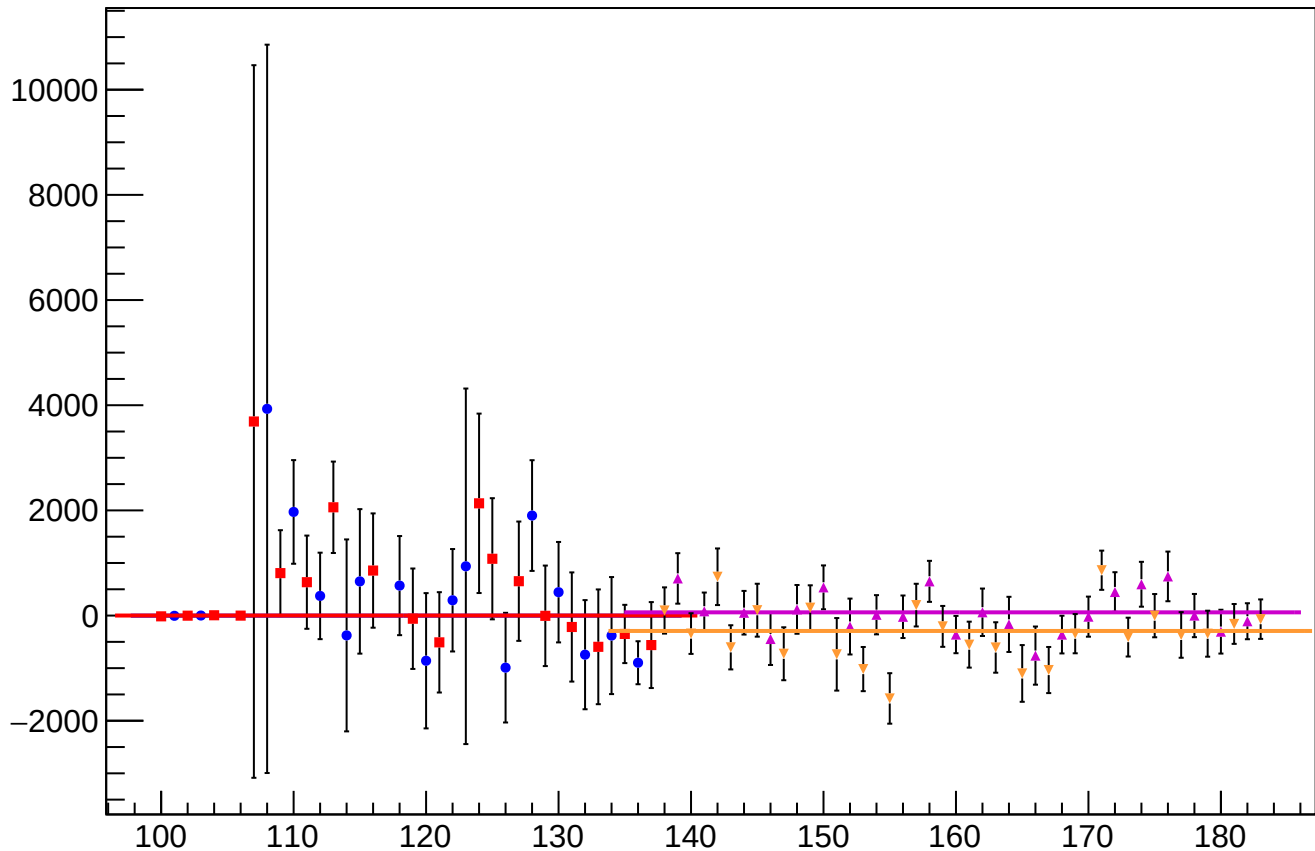
Right: 186.563+/-0.038 χ^2/NDF : 2566934.9/35

In: 187.867+/-0.029 χ^2/NDF : 2497572.4/38

Out: 194.926+/-0.029 χ^2/NDF : 3351711.1/42

All: 191.366+/-0.020 χ^2/NDF : 5879635.6/81

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 $\pm$ 2.251 χ^2/NDF : 16.9/16

Left Out: -292.694 $\pm$ 87.822 χ^2/NDF : 36.1/23

Right Out: 0.731 $\pm$ 2.111 χ^2/NDF : 18.2/18

Left In: 61.354 $\pm$ 88.513 χ^2/NDF : 17.8/21

Left: -117.058 $\pm$ 62.343 χ^2/NDF : 62.0/45

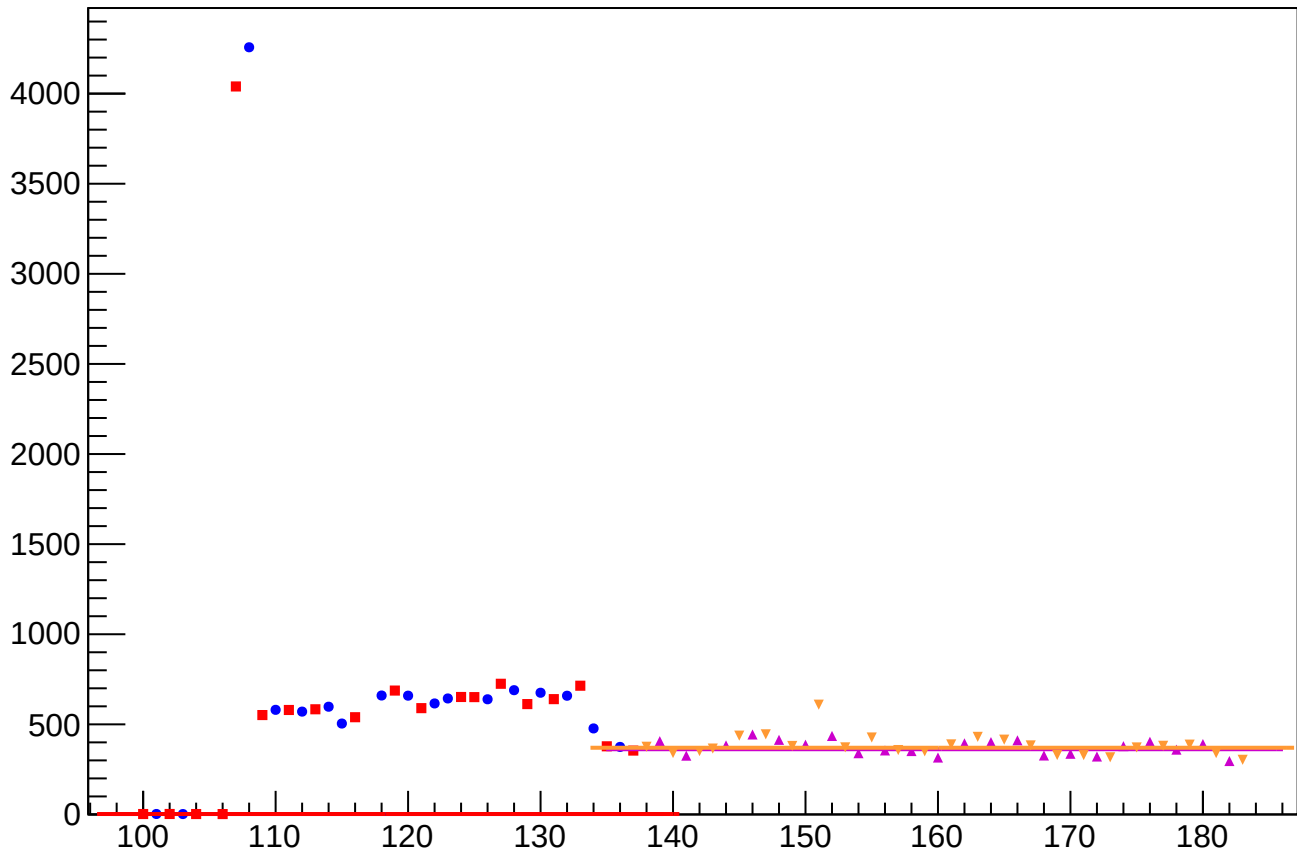
Right: -0.326 $\pm$ 1.540 χ^2/NDF : 35.7/35

In: -1.488 $\pm$ 2.251 χ^2/NDF : 35.2/38

Out: 0.561 $\pm$ 2.111 χ^2/NDF : 65.5/42

All: -0.397 $\pm$ 1.540 χ^2/NDF : 101.2/81

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10667142.2/16

Left Out: 370.147+/-0.062 χ^2/NDF : 590432.0/23

Right Out: 2.436+/-0.001 χ^2/NDF : 11094072.3/18

Left In: 361.969+/-0.063 χ^2/NDF : 400727.7/21

Left: 366.090+/-0.044 χ^2/NDF : 999762.9/45

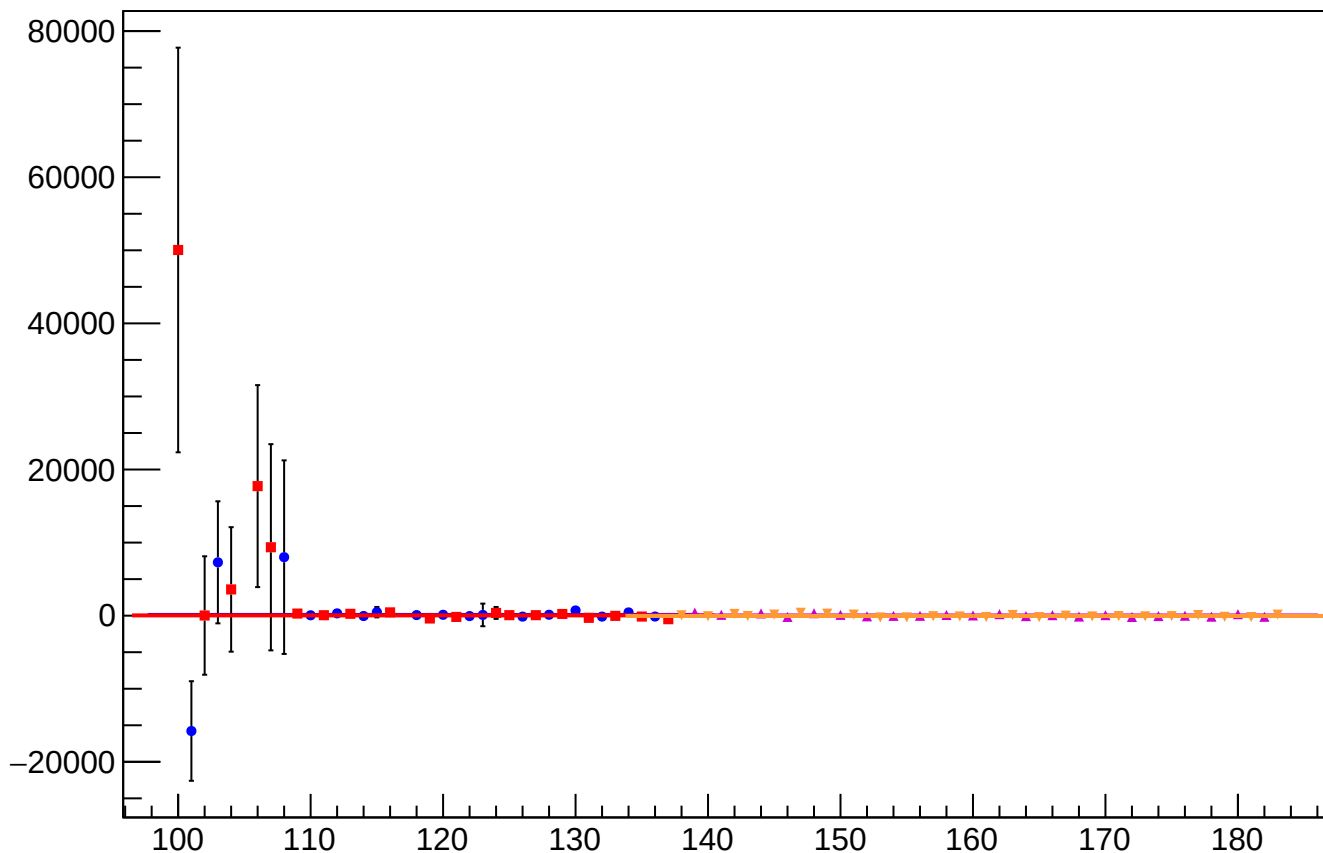
Right: 2.446+/-0.001 χ^2/NDF : 21761293.3/35

In: 2.688+/-0.002 χ^2/NDF : 44041003.7/38

Out: 2.649+/-0.001 χ^2/NDF : 46725928.8/42

All: 2.667+/-0.001 χ^2/NDF : 90767259.8/81

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 99.358+/-92.026 χ^2/NDF : 12.0/16

Left Out: -45.105+/-50.154 χ^2/NDF : 8.5/23

Right Out: 38.144+/-84.576 χ^2/NDF : 14.1/18

Left In: 30.148+/-48.597 χ^2/NDF : 9.5/21

Left: -6.292+/-34.901 χ^2/NDF : 19.2/45

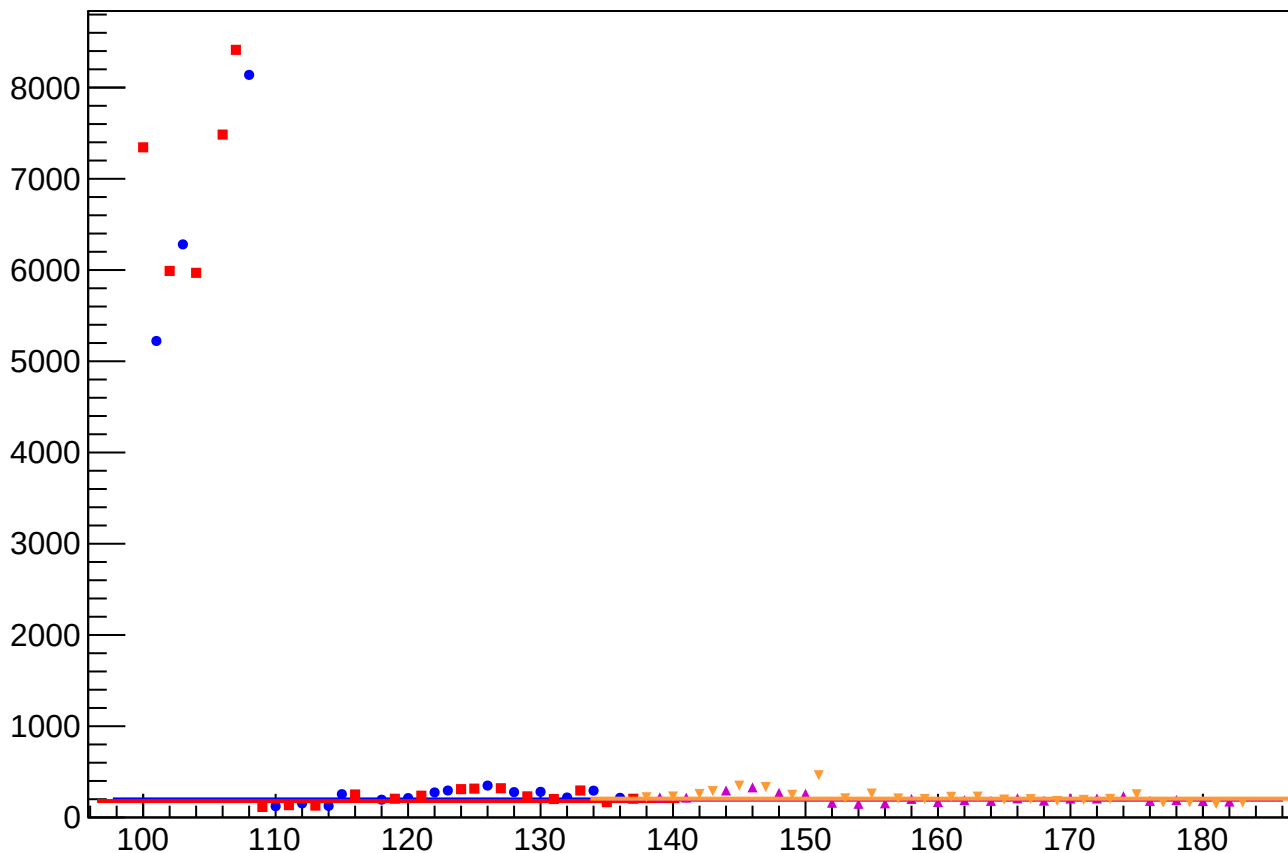
Right: 66.173+/-62.272 χ^2/NDF : 26.4/35

In: 45.240+/-42.973 χ^2/NDF : 22.0/38

Out: -23.446+/-43.140 χ^2/NDF : 23.3/42

All: 11.029+/-30.445 χ^2/NDF : 46.6/81

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.646+/-0.065 χ^2/NDF : 3699445.6/16

Left Out: 206.105+/-0.035 χ^2/NDF :1923418.0/23

Right Out: 179.782+/-0.060 χ^2/NDF : 4315815.4/18

Left In: 194.270+/-0.034 χ^2/NDF :1163832.5/21

Left: 200.001+/-0.025 χ^2/NDF : 3144691.2/45

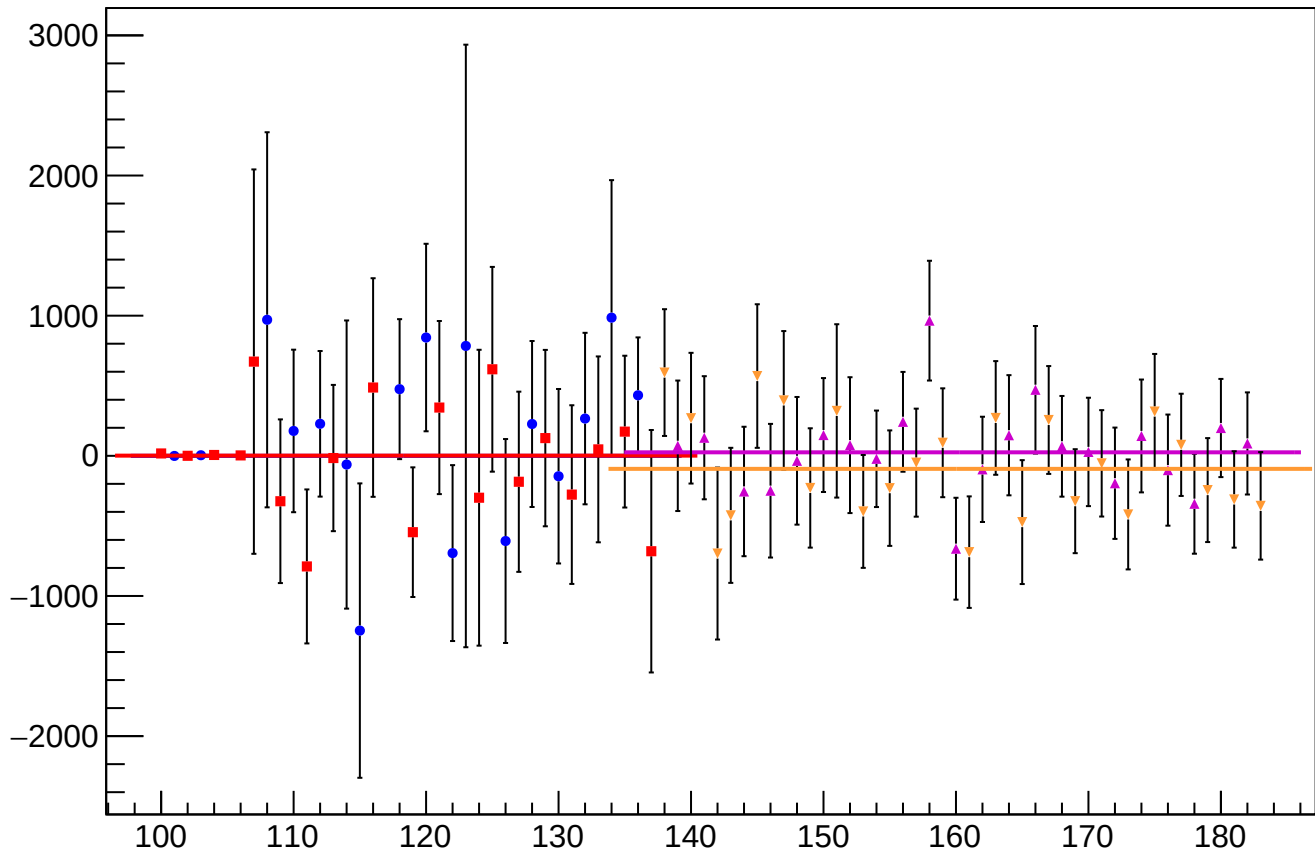
Right: 187.962+/-0.044 χ^2/NDF : 8056116.7/35

In: 195.006+/-0.030 χ^2/NDF :4865382.8/38

Out: 199.257+/-0.031 χ^2/NDF :6382567.5/42

All: 197.123+/-0.022 χ^2/NDF : 11257696.1/83

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.141 $\pm$ 1.737 χ^2/NDF : 10.1/16

Left Out: -93.002 $\pm$ 84.872 χ^2/NDF :16.4/23

Right Out: 1.323 $\pm$ 1.623 χ^2/NDF : 9.3/18

Left In: 24.962 $\pm$ 85.247 χ^2/NDF :12.7/21

Left: -34.281 $\pm$ 60.146 χ^2/NDF : 30.0/45

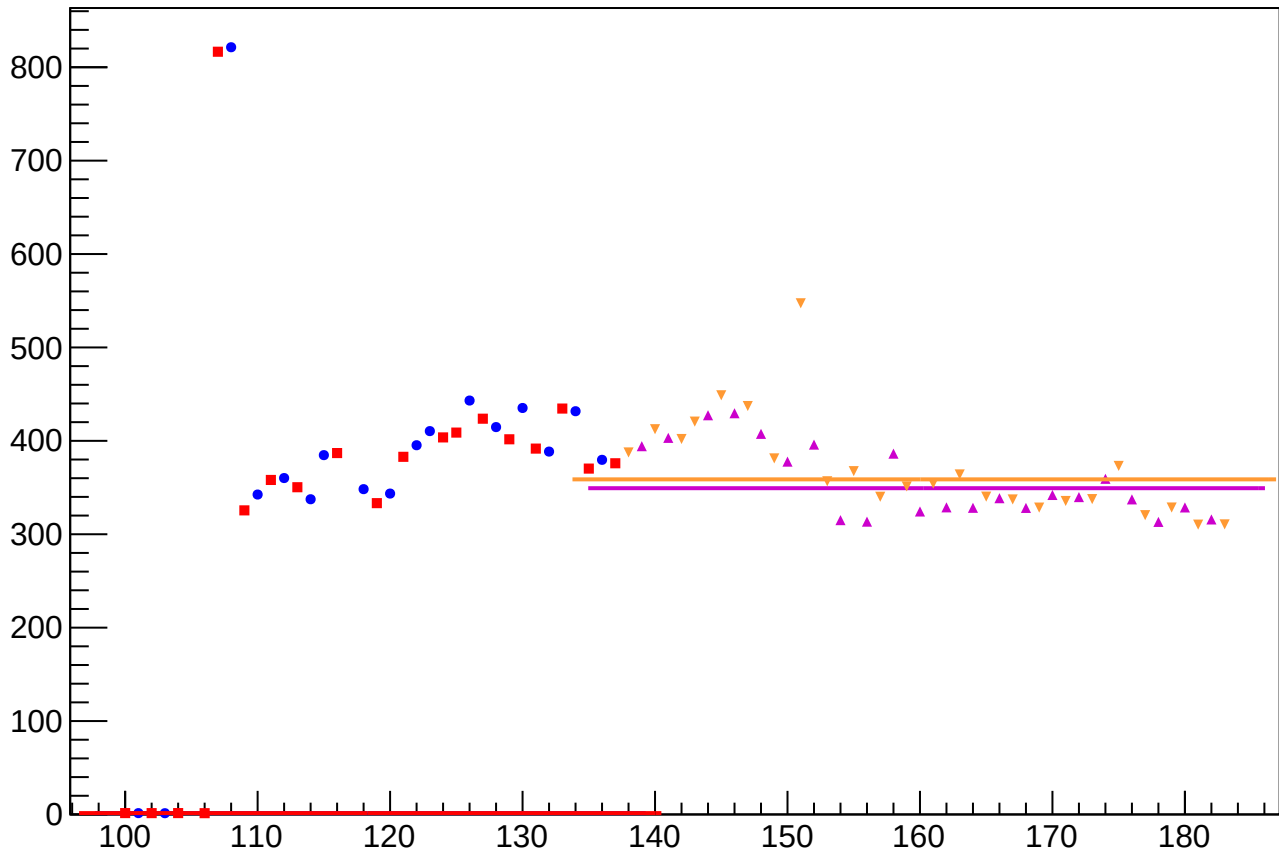
Right: 0.641 $\pm$ 1.186 χ^2/NDF : 19.8/35

In: -0.130 $\pm$ 1.736 χ^2/NDF :22.9/38

Out: 1.288 $\pm$ 1.622 χ^2/NDF :26.9/42

All: 0.627 $\pm$ 1.185 χ^2/NDF : 50.1/81

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10771707.1/16

Left Out: 358.767+/-0.060 χ^2/NDF : 533205.3/23

Right Out: 1.451+/-0.001 χ^2/NDF : 10831648.9/18

Left In: 349.304+/-0.060 χ^2/NDF : 355957.5/21

Left: 354.057+/-0.043 χ^2/NDF : 901538.2/45

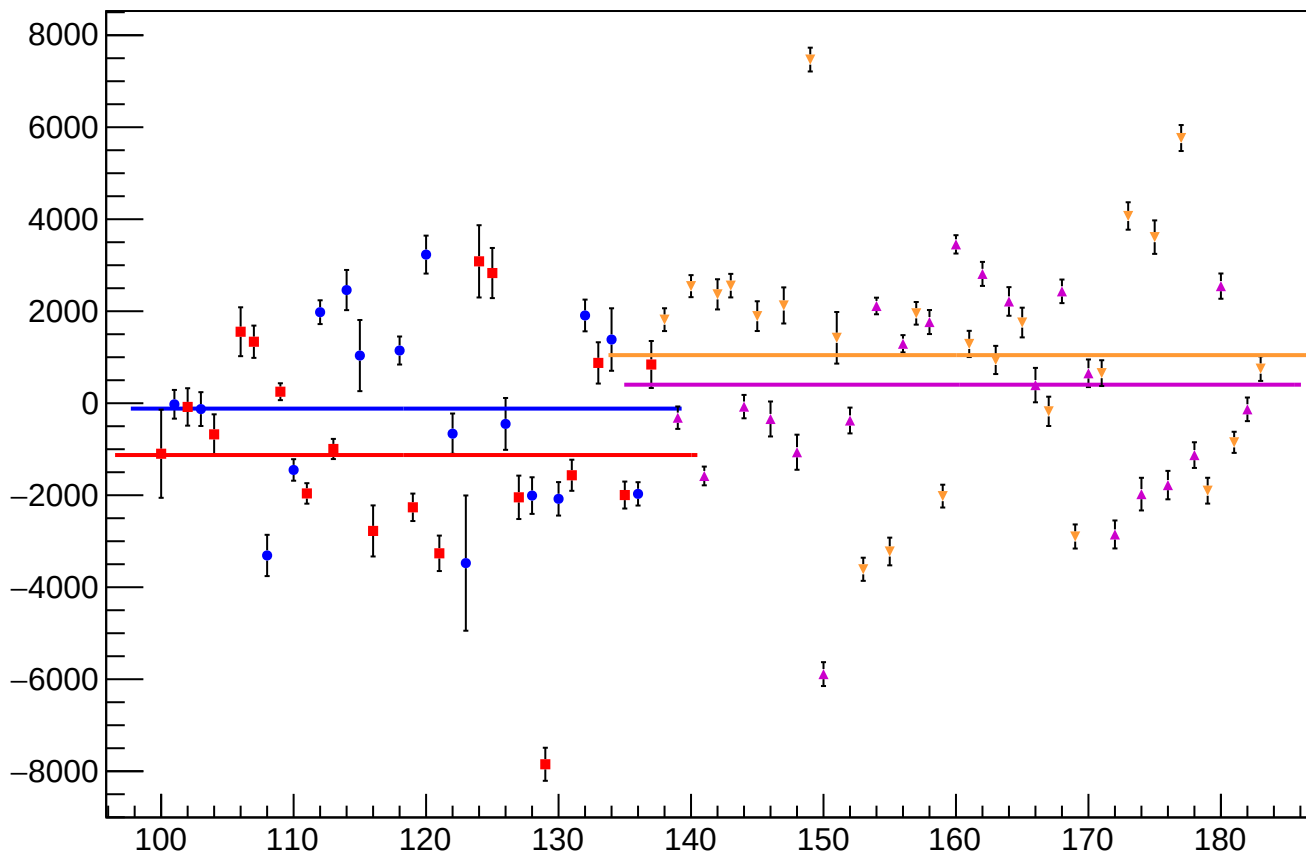
Right: 1.451+/-0.001 χ^2/NDF : 21603356.4/35

In: 1.596+/-0.001 χ^2/NDF : 44415034.8/38

Out: 1.581+/-0.001 χ^2/NDF : 46801433.0/42

All: 1.588+/-0.001 χ^2/NDF : 91216545.8/81

asym_bcm0l02_mean vs Slug, Sign Corrected



Left: 710.471 $\pm$ 40.023 χ^2/NDF : 3947.4/45

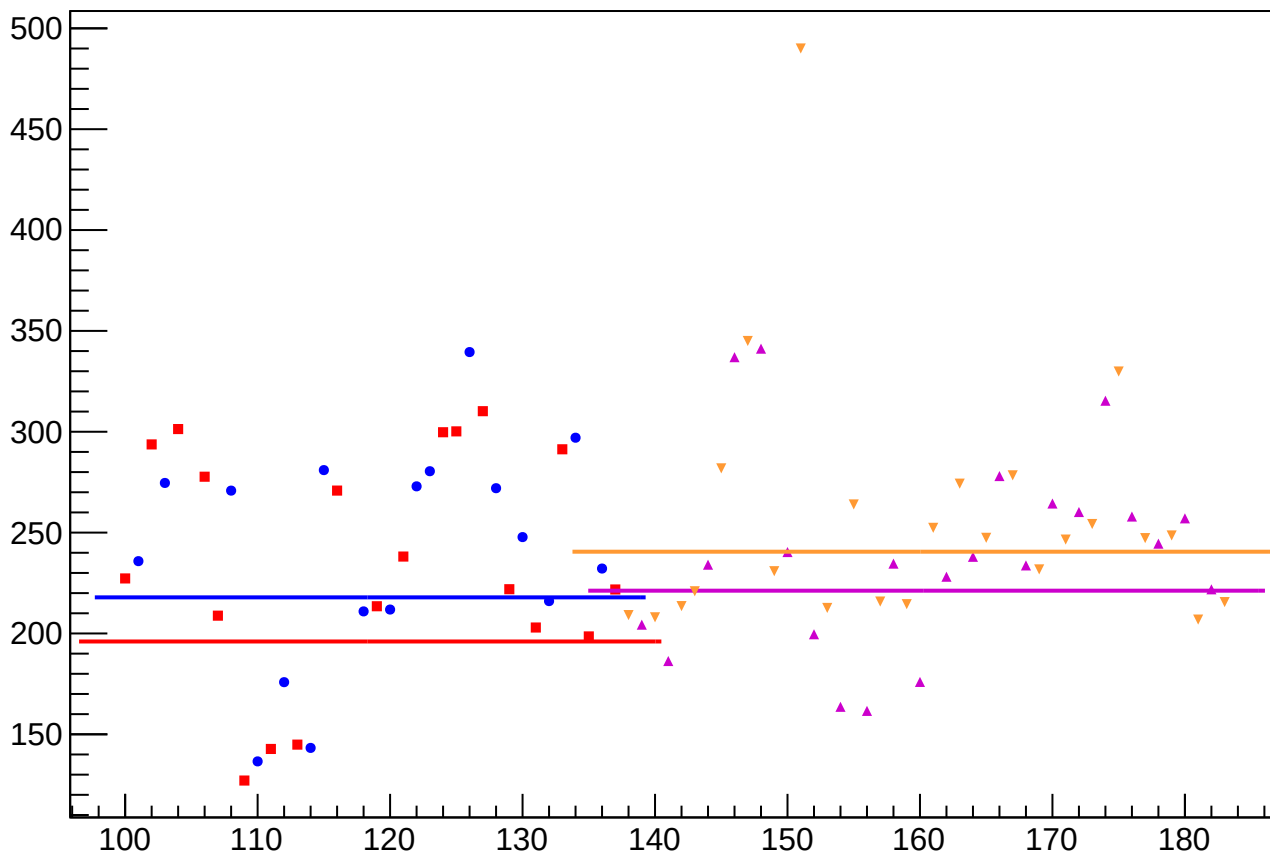
Right: -680.927 $\pm$ 58.658 χ^2/NDF : 1181.1/35

In: 256.143 $\pm$ 46.941 χ^2/NDF : 2027.2/38

Out: 280.617 $\pm$ 46.570 χ^2/NDF : 3485.2/42

All: 268.478 $\pm$ 33.060 χ^2/NDF : 5512.5/81

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.896 $\pm$ 0.062 χ^2 /NDF: 661999.5/16

Left Out: 240.534 $\pm$ 0.041 χ^2 /NDF:993687.7/23

Right Out: 196.020 $\pm$ 0.055 χ^2 /NDF: 1189250.9/18

Left In: 221.208 $\pm$ 0.039 χ^2 /NDF:1342470.5/21

Left: 230.454 $\pm$ 0.028 χ^2 /NDF: 2452520.2/45

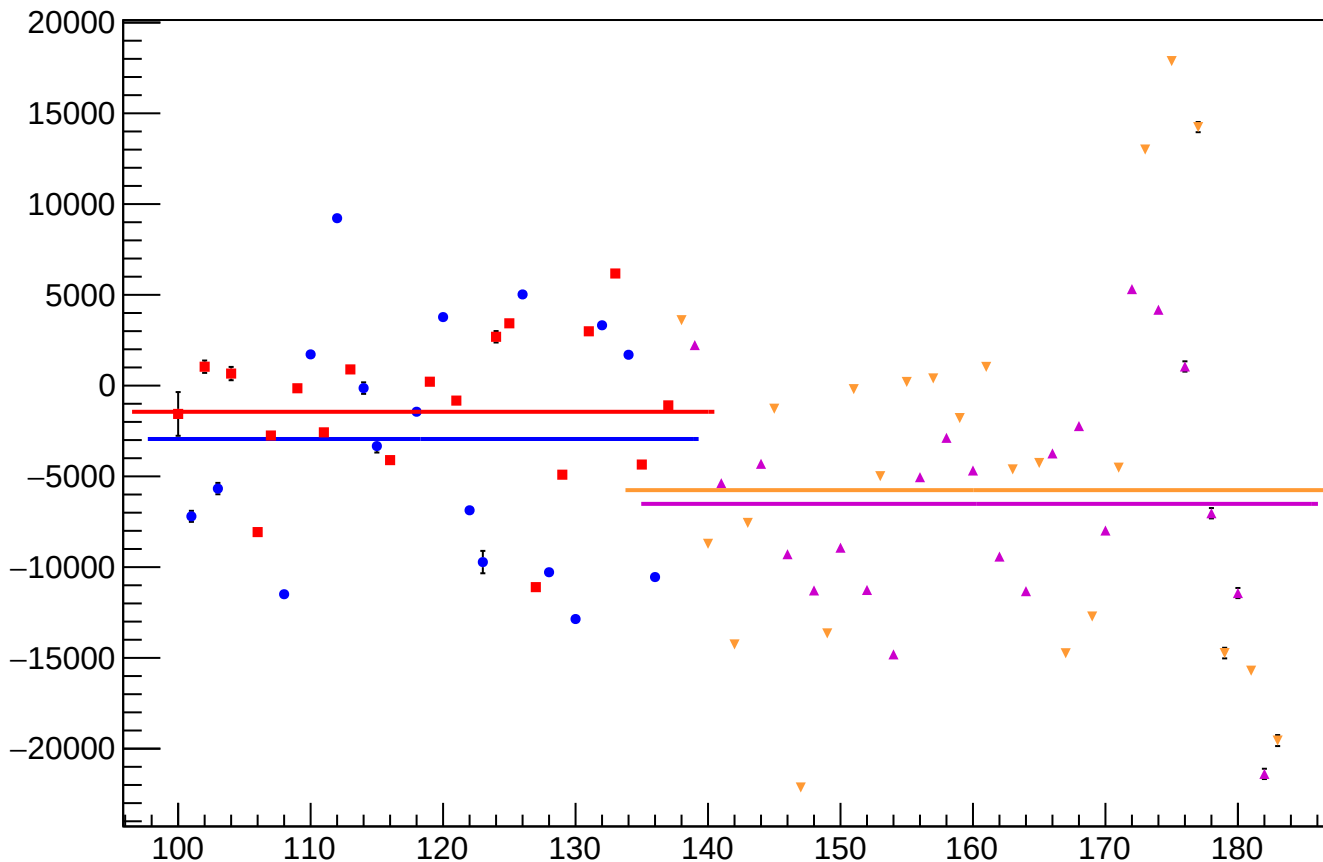
Right: 205.670 $\pm$ 0.041 χ^2 /NDF: 1919826.3/35

In: 220.273 $\pm$ 0.033 χ^2 /NDF:2006488.6/38

Out: 224.853 $\pm$ 0.033 χ^2 /NDF:2599884.0/42

All: 222.581 $\pm$ 0.023 χ^2 /NDF: 4615968.5/81

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2940.841 ± 48.696 χ^2/NDF : 20909.3/16

Left Out: -5758.568 ± 35.942 χ^2/NDF : 62381.9/23

Right Out: -1442.426 ± 46.381 χ^2/NDF : 8011.4/18

Left In: -6514.745 ± 37.277 χ^2/NDF : 20248.1/21

Left: -6122.881 ± 25.874 χ^2/NDF : 82843.3/45

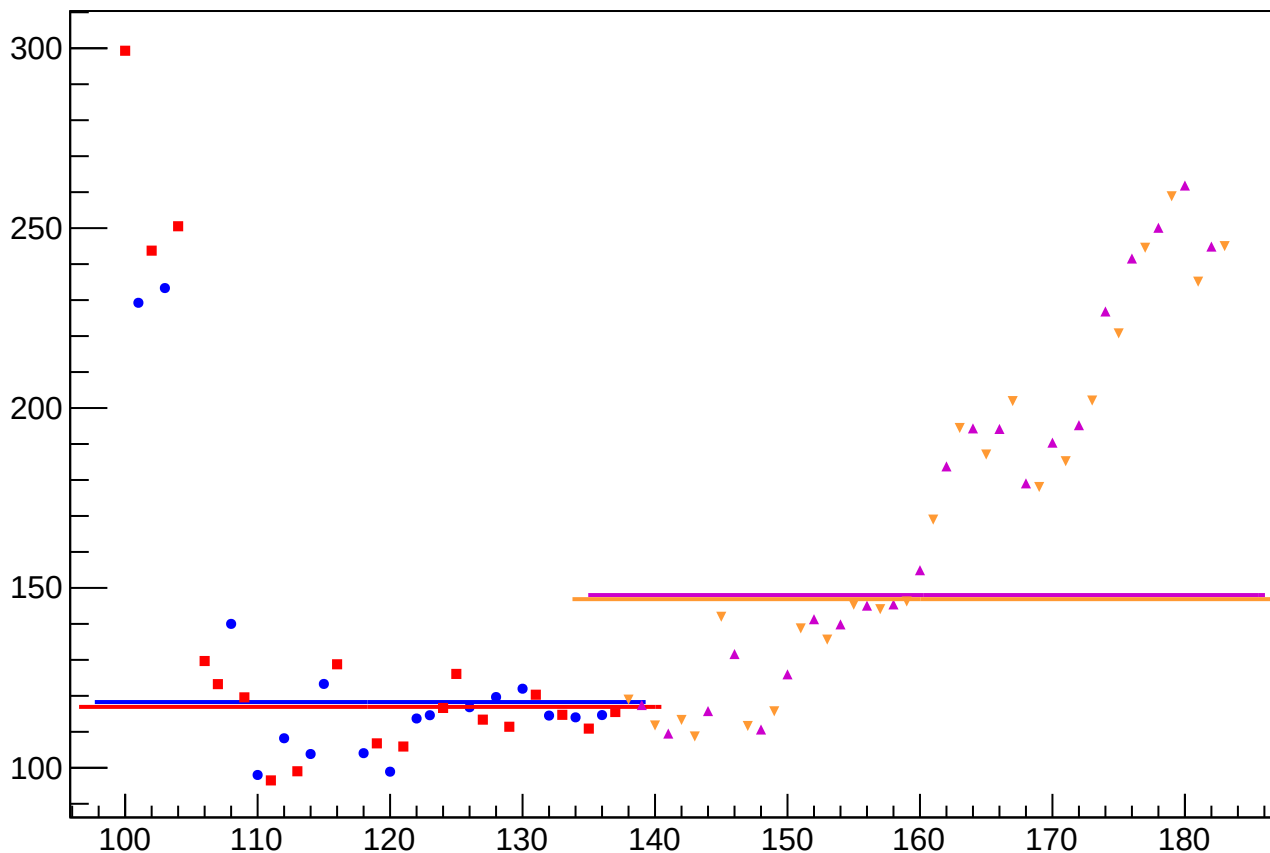
Right: -2155.167 ± 33.585 χ^2/NDF : 29417.2/35

In: -5194.287 ± 29.600 χ^2/NDF : 44553.6/38

Out: -4139.140 ± 28.410 χ^2/NDF : 75803.9/42

All: -4645.087 ± 20.497 χ^2/NDF : 121019.0/8

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.278+/-0.034 χ^2/NDF : 637027.4/16

Left Out: 146.876+/-0.025 χ^2/NDF : 2437478.5/23

Right Out: 116.929+/-0.033 χ^2/NDF : 689591.4/18

Left In: 148.015+/-0.026 χ^2/NDF : 2324839.2/21

Left: 147.425+/-0.018 χ^2/NDF : 4763285.4/45

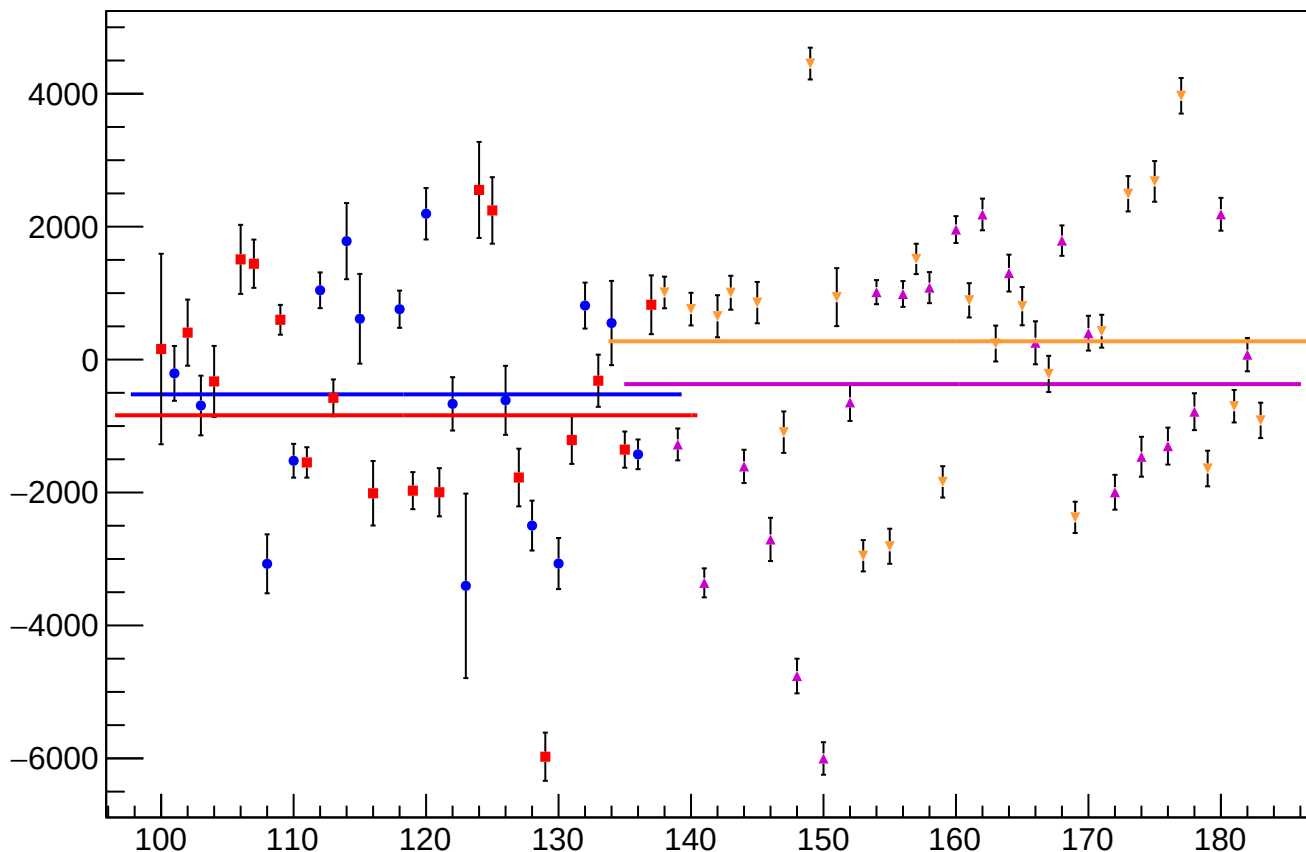
Right: 117.571+/-0.024 χ^2/NDF : 1327423.4/35

In: 137.028+/-0.021 χ^2/NDF : 3432121.1/38

Out: 135.640+/-0.020 χ^2/NDF : 3648007.4/42

All: 136.306+/-0.014 χ^2/NDF : 7082417.9/81

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -523.148±/89.404 χ^2/NDF : 282.6/16

Left Out: 275.366±/53.878 χ^2/NDF :1334.2/23

Right Out: -837.989±/82.263 χ^2/NDF : 437.6/18

Left In: -368.780±/52.302 χ^2/NDF :1797.5/21

Left: -56.267±/37.528 χ^2/NDF : 3205.3/45

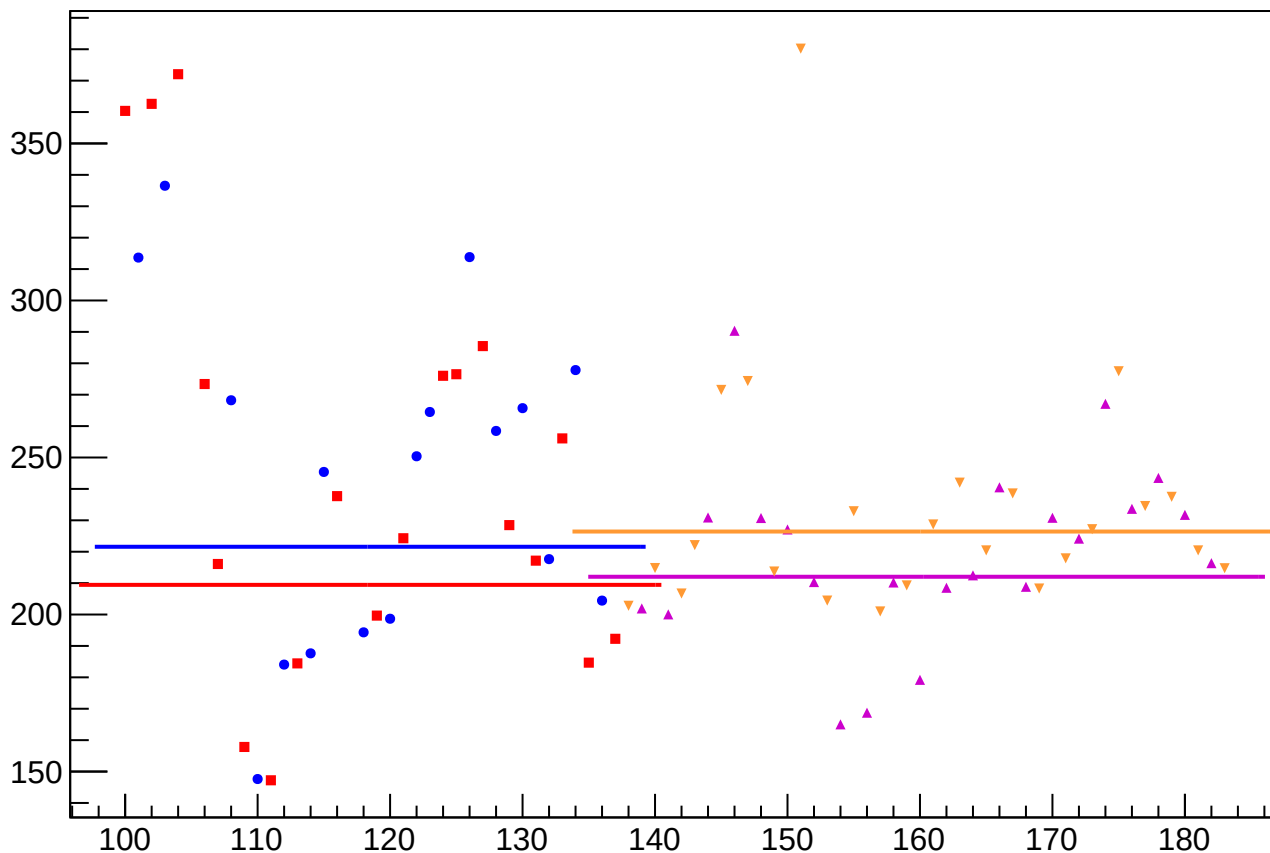
Right: -693.643±/60.536 χ^2/NDF : 726.9/35

In: -408.139±/45.144 χ^2/NDF :2082.3/38

Out: -58.850±/45.071 χ^2/NDF :1900.0/42

All: -233.213±/31.896 χ^2/NDF : 4012.3/81

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.577+/-0.063 χ^2/NDF : 645771.3/16

Left Out: 226.429+/-0.038 χ^2/NDF : 521634.9/23

Right Out: 209.447+/-0.058 χ^2/NDF : 879299.7/18

Left In: 212.028+/-0.037 χ^2/NDF : 591053.1/21

Left: 219.014+/-0.027 χ^2/NDF : 1186251.7/45

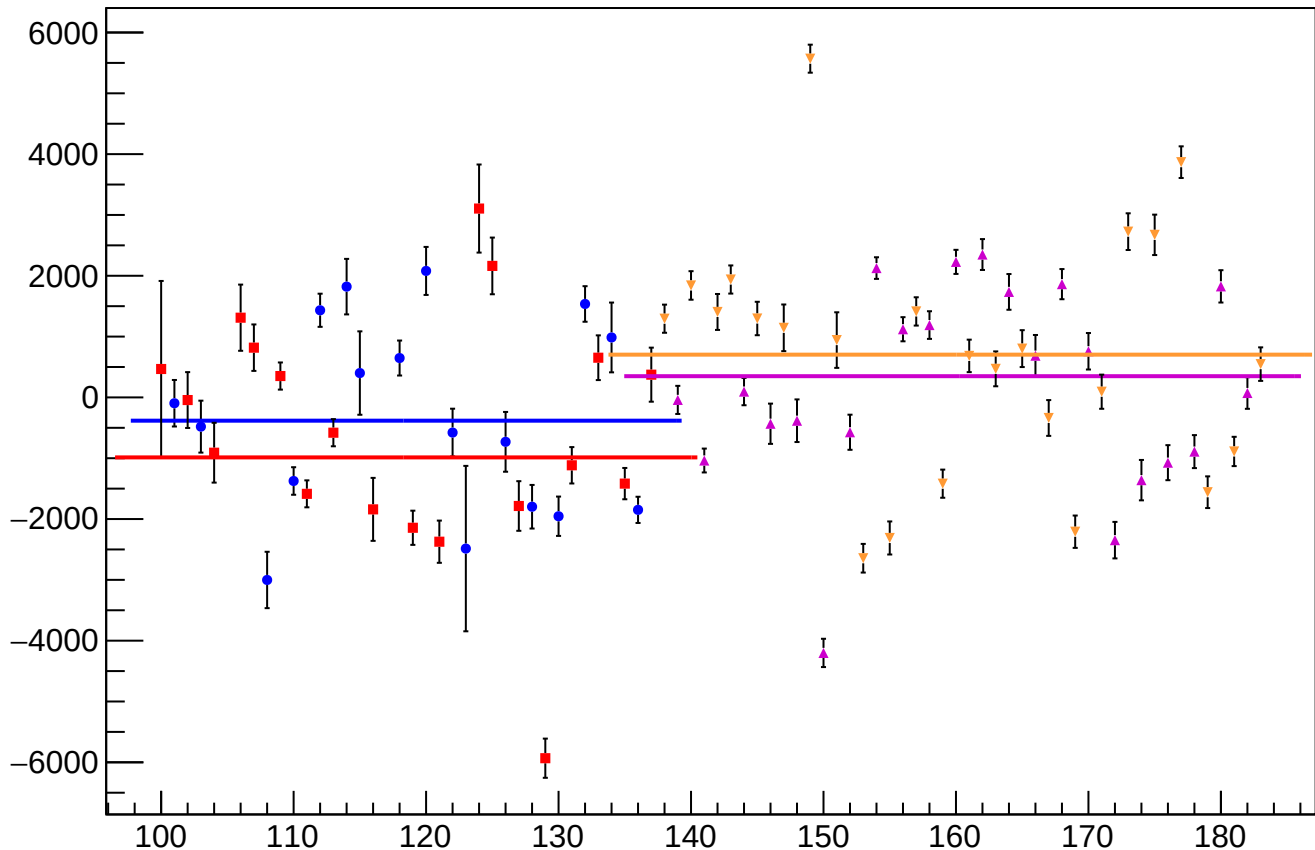
Right: 215.008+/-0.043 χ^2/NDF : 1545008.7/35

In: 214.463+/-0.032 χ^2/NDF : 1253825.1/38

Out: 221.331+/-0.032 χ^2/NDF : 1460577.1/42

All: 217.902+/-0.023 χ^2/NDF : 2737587.1/81

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -382.695+/-84.465 χ^2/NDF : 309.9/16

Left Out: 703.008+/-54.657 χ^2/NDF :1420.4/23

Right Out: -986.495+/-77.694 χ^2/NDF : 476.9/18

Left In: 348.913+/-53.299 χ^2/NDF :984.5/21

Left: 521.508+/-38.159 χ^2/NDF : 2426.4/45

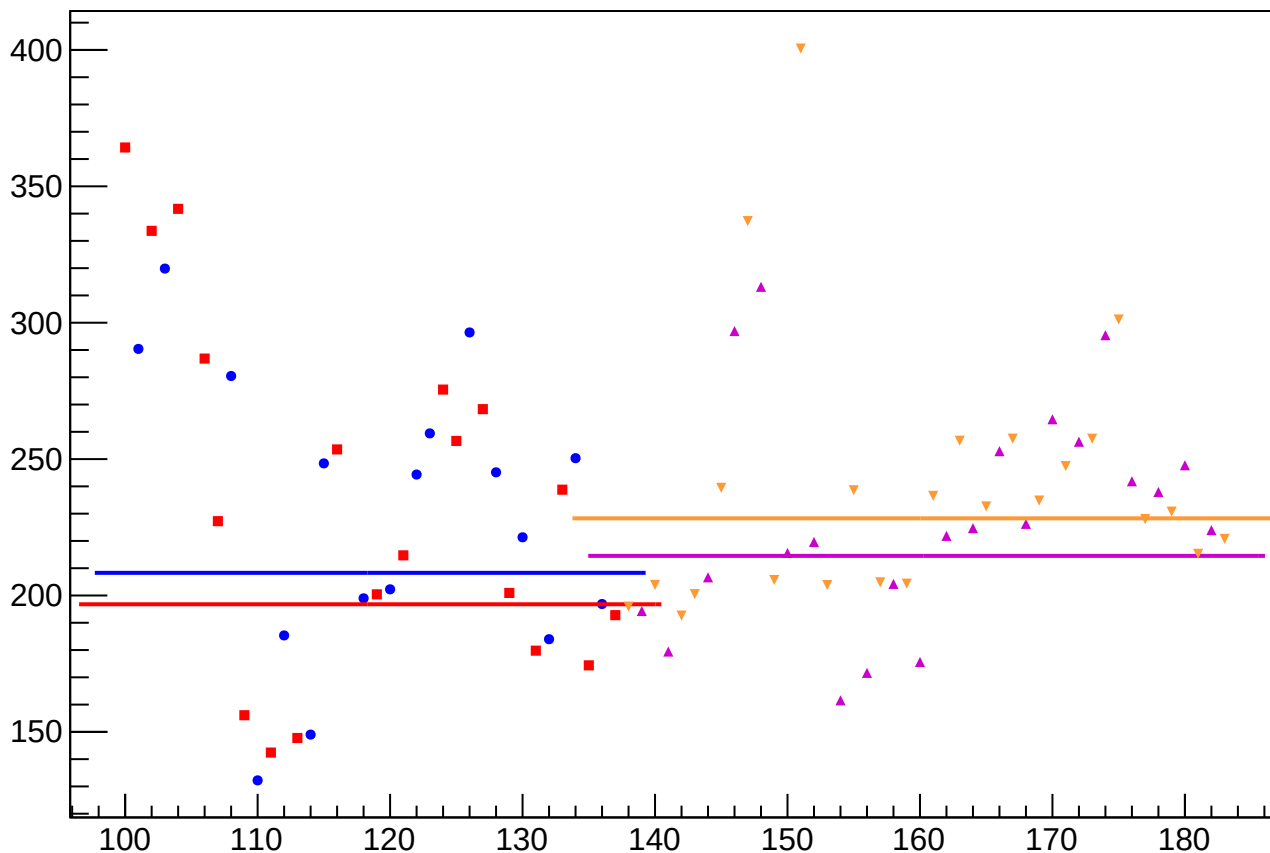
Right: -709.764+/-57.182 χ^2/NDF : 814.5/35

In: 140.561+/-45.075 χ^2/NDF :1348.1/38

Out: 143.685+/-44.703 χ^2/NDF :2213.6/42

All: 142.136+/-31.741 χ^2/NDF : 3561.7/81

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.304 $\pm$ 0.060 χ^2/NDF : 698771.8/16

Left Out: 228.285 $\pm$ 0.039 χ^2/NDF :827507.0/23

Right Out: 196.782 $\pm$ 0.055 χ^2/NDF : 925153.1/18

Left In: 214.529 $\pm$ 0.038 χ^2/NDF :1030854.5/21

Left: 221.234 $\pm$ 0.027 χ^2/NDF : 1923297.8/45

Right: 202.062 $\pm$ 0.040 χ^2/NDF : 1644084.4/35

In: 212.756 $\pm$ 0.032 χ^2/NDF :1737395.9/38

Out: 217.856 $\pm$ 0.032 χ^2/NDF :1972625.0/42

All: 215.327 $\pm$ 0.022 χ^2/NDF : 3722926.2/81

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

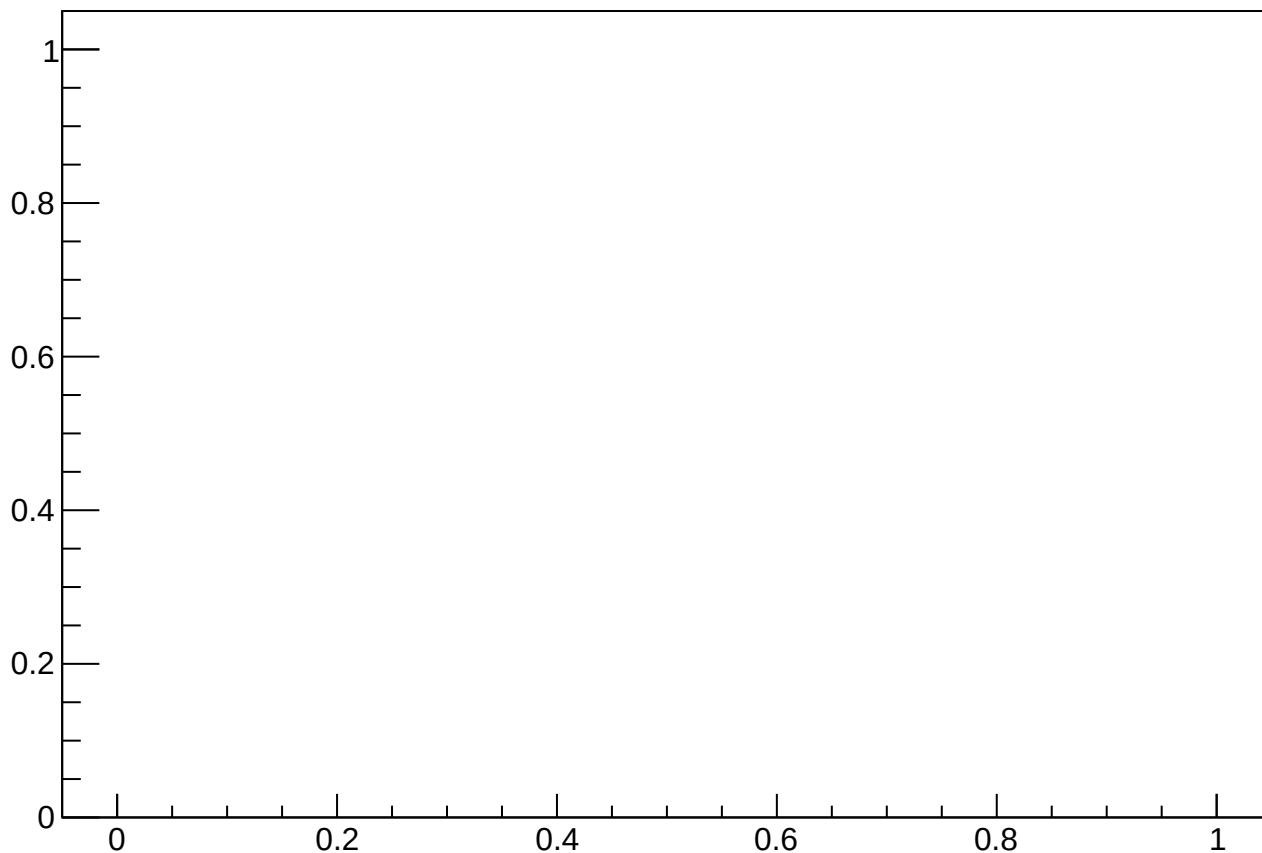
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

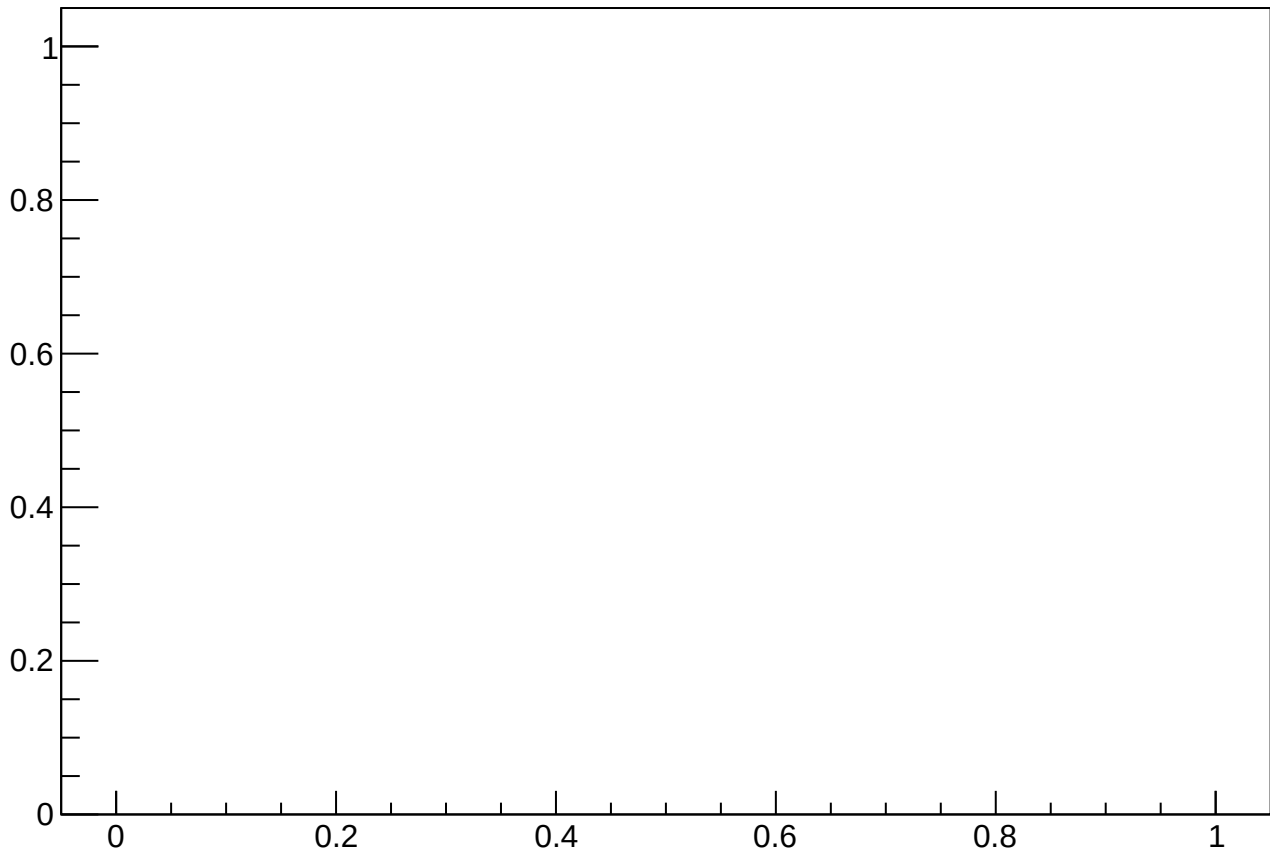
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

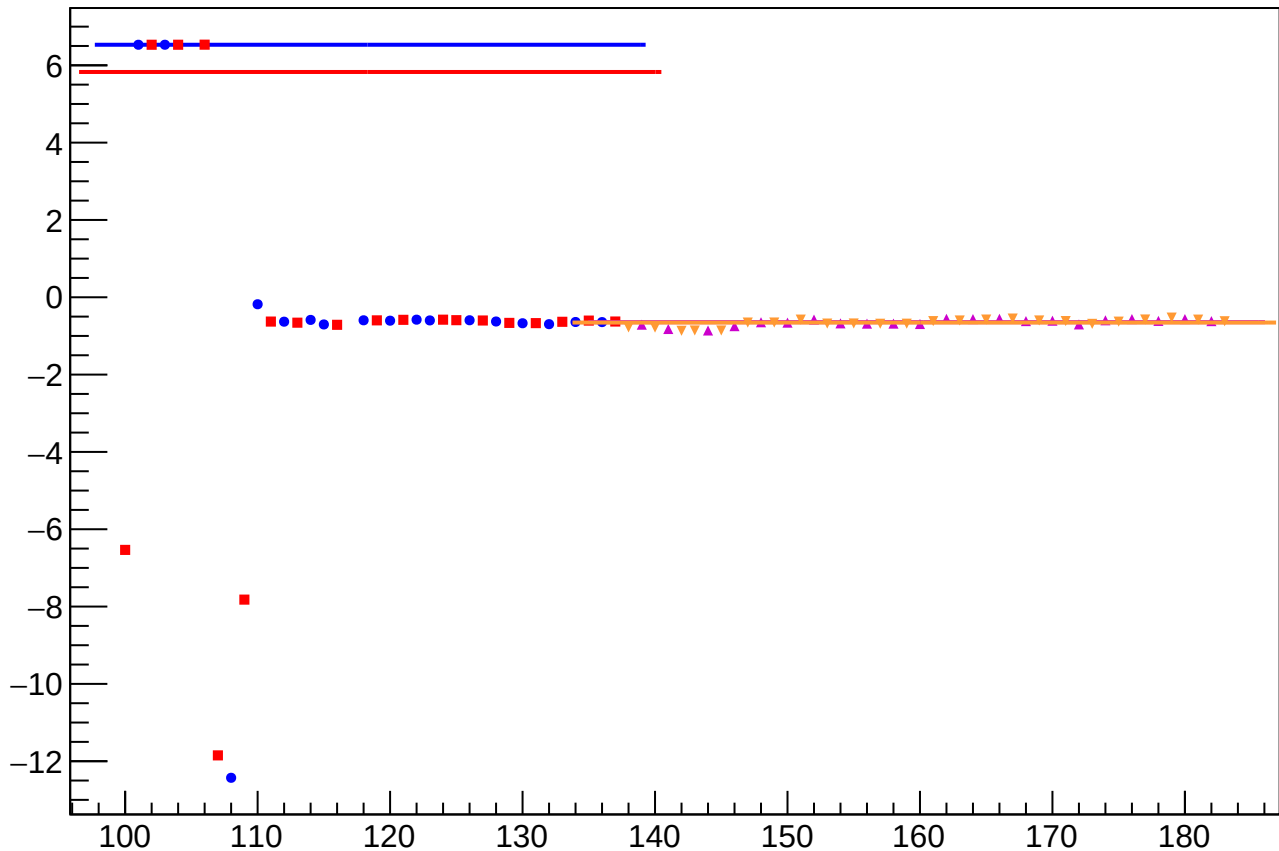
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127601781164.3/16

Left Out: -0.654+/-0.000 χ^2/NDF : 179059032.4/23

Right Out: 5.827+/-0.000 χ^2/NDF : 755961890470183.5/18

Left In: -0.643+/-0.000 χ^2/NDF : 123634798.0/21

Left: -0.649+/-0.000 χ^2/NDF : 303615601.9/45

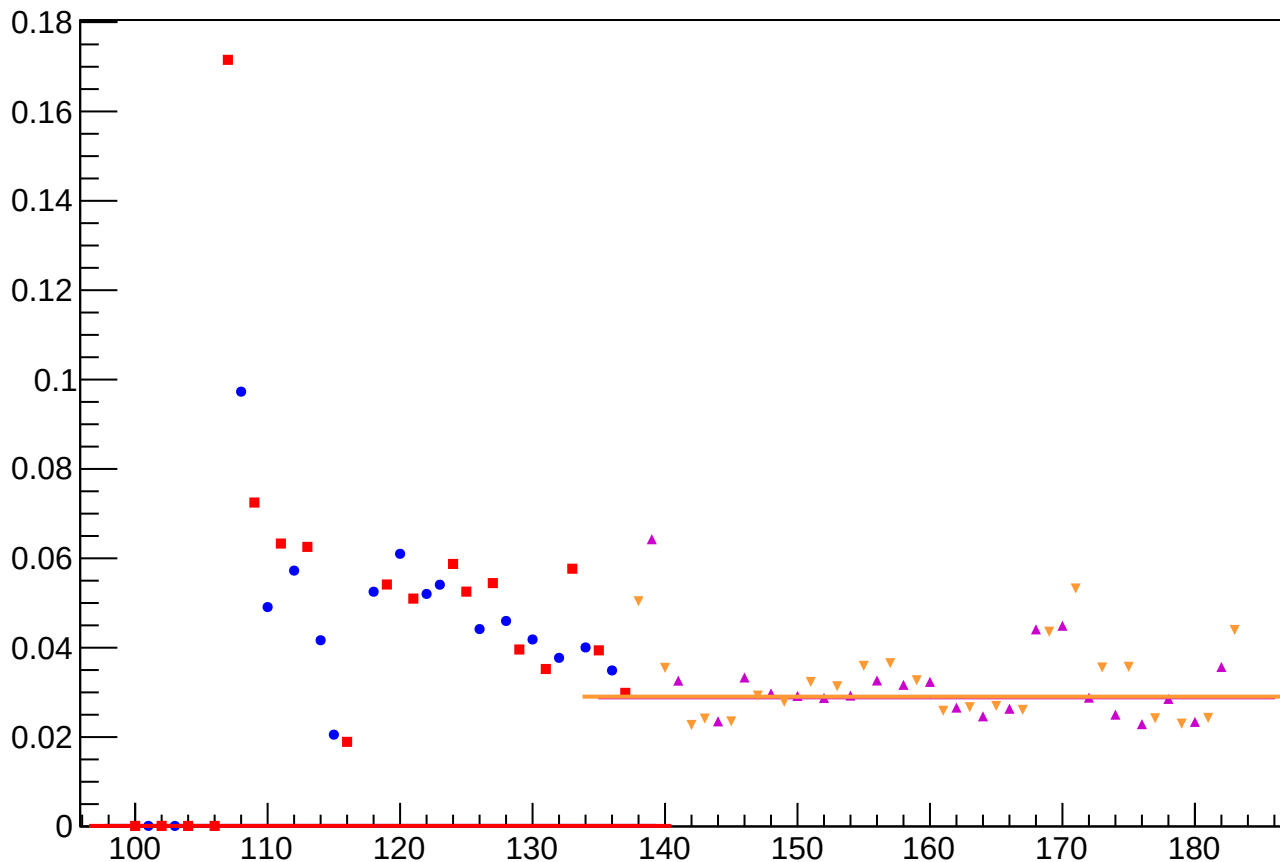
Right: 6.155+/-0.000 χ^2/NDF : 776093455060698.6/45

In: 6.530+/-0.000 χ^2/NDF : 953539730632.8/38

Out: 5.826+/-0.000 χ^2/NDF : 756668231146542.8/45

All: 6.153+/-0.000 χ^2/NDF : 77761438634283.5/90

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8848188.8/16

Left Out: 0.029+/-0.000 χ^2/NDF :1442577.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9323542.7/18

Left In: 0.029+/-0.000 χ^2/NDF :1185212.6/21

Left: 0.029+/-0.000 χ^2/NDF : 2628158.0/45

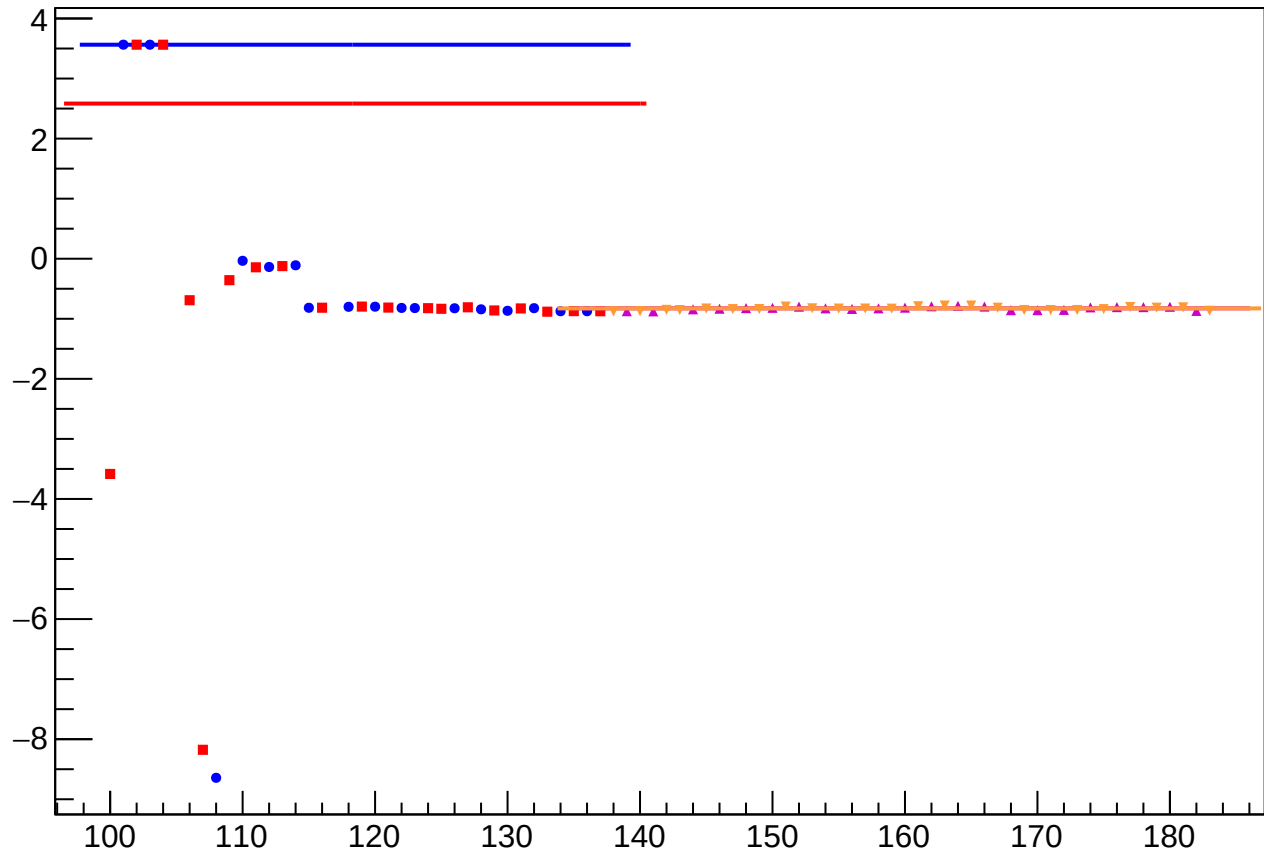
Right: 0.000+/-0.000 χ^2/NDF : 18171979.8/35

In: 0.000+/-0.000 χ^2/NDF :36588592.2/38

Out: 0.000+/-0.000 χ^2/NDF :38887335.5/42

All: 0.000+/-0.000 χ^2/NDF : 75476345.3/81

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 480140963917.5/16

Left Out: -0.827+/-0.000 χ^2/NDF : 167488531.7/23

Right Out: 2.583+/-0.000 χ^2/NDF : 1253501370113259.5/18

Left In: -0.826+/-0.000 χ^2/NDF : 168487707.2/21

Left: -0.827+/-0.000 χ^2/NDF : 336068432.1/45

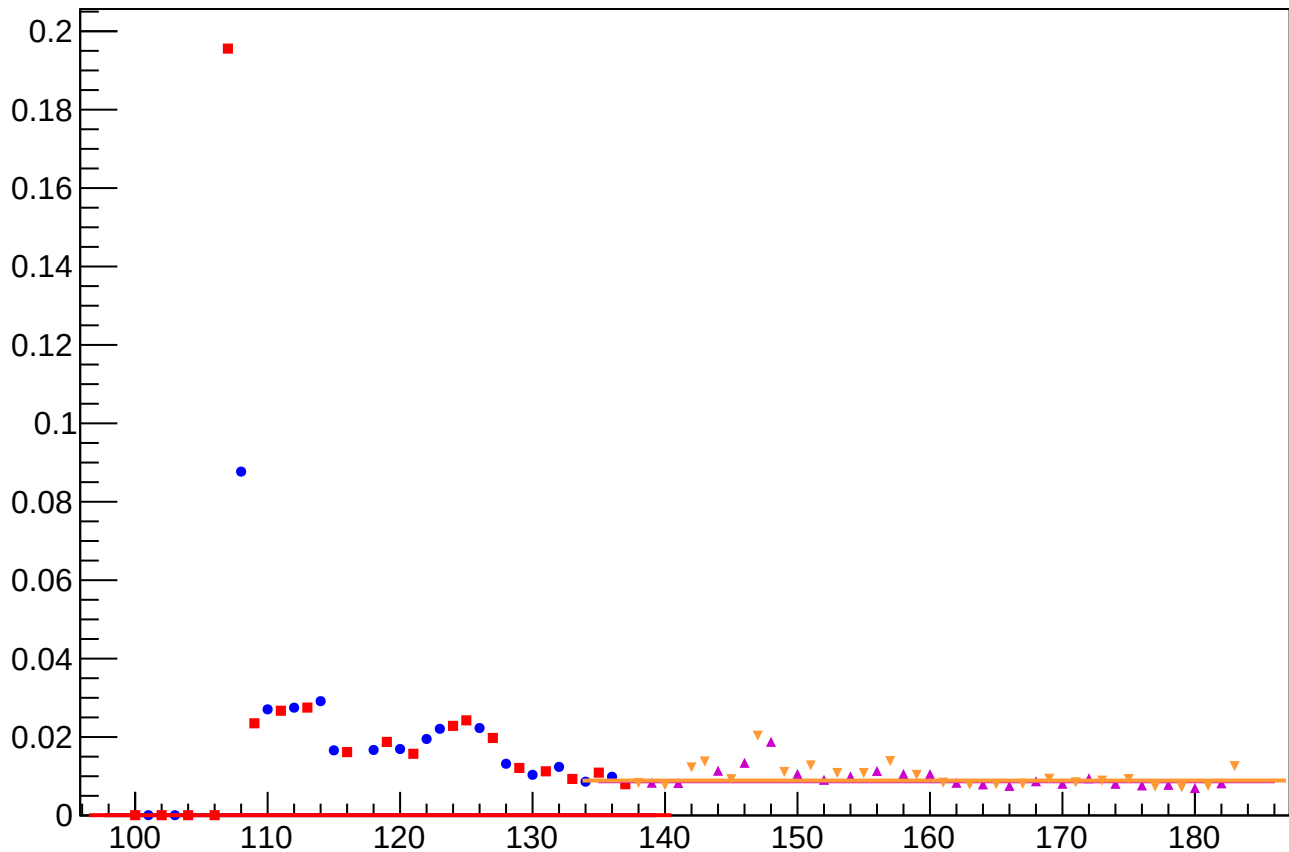
Right: 3.040+/-0.000 χ^2/NDF : 1382252614228541.1/100

In: 3.560+/-0.000 χ^2/NDF : 4116973255506.8/38

Out: 2.581+/-0.000 χ^2/NDF : 1255710508648802.8/100

All: 3.038+/-0.000 χ^2/NDF : 13879152275494.1/100

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9686061.1/16

Left Out: 0.009+/-0.000 χ^2/NDF :1437670.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9818933.2/18

Left In: 0.009+/-0.000 χ^2/NDF :1025144.2/21

Left: 0.009+/-0.000 χ^2/NDF : 2468808.8/45

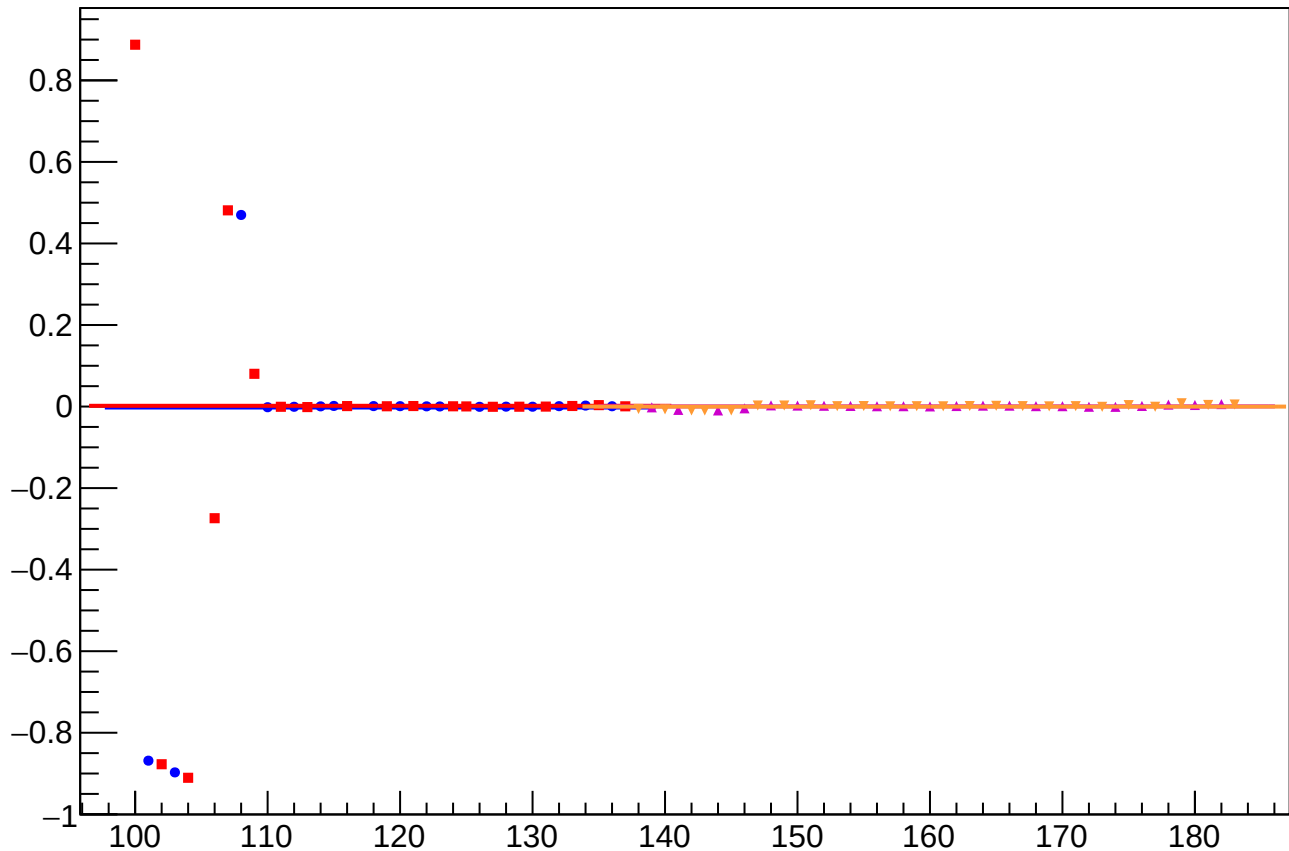
Right: 0.000+/-0.000 χ^2/NDF : 19505268.5/35

In: 0.000+/-0.000 χ^2/NDF :38982796.1/38

Out: 0.000+/-0.000 χ^2/NDF :40890739.1/42

All: 0.000+/-0.000 χ^2/NDF : 79874292.9/81

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000

χ^2/NDF : 9794882359.1/16

Left: 0.000+/-0.000 χ^2/NDF : 245515118.5/45

Right: -0.000+/-0.000 χ^2/NDF : 12850347199.6/35

Left Out: -0.000+/-0.000

χ^2/NDF : 151491346.9/23

In: -0.000+/-0.000 χ^2/NDF : 9898214699.0/38

Right Out: 0.002+/-0.000

χ^2/NDF : 3041319636.1/18

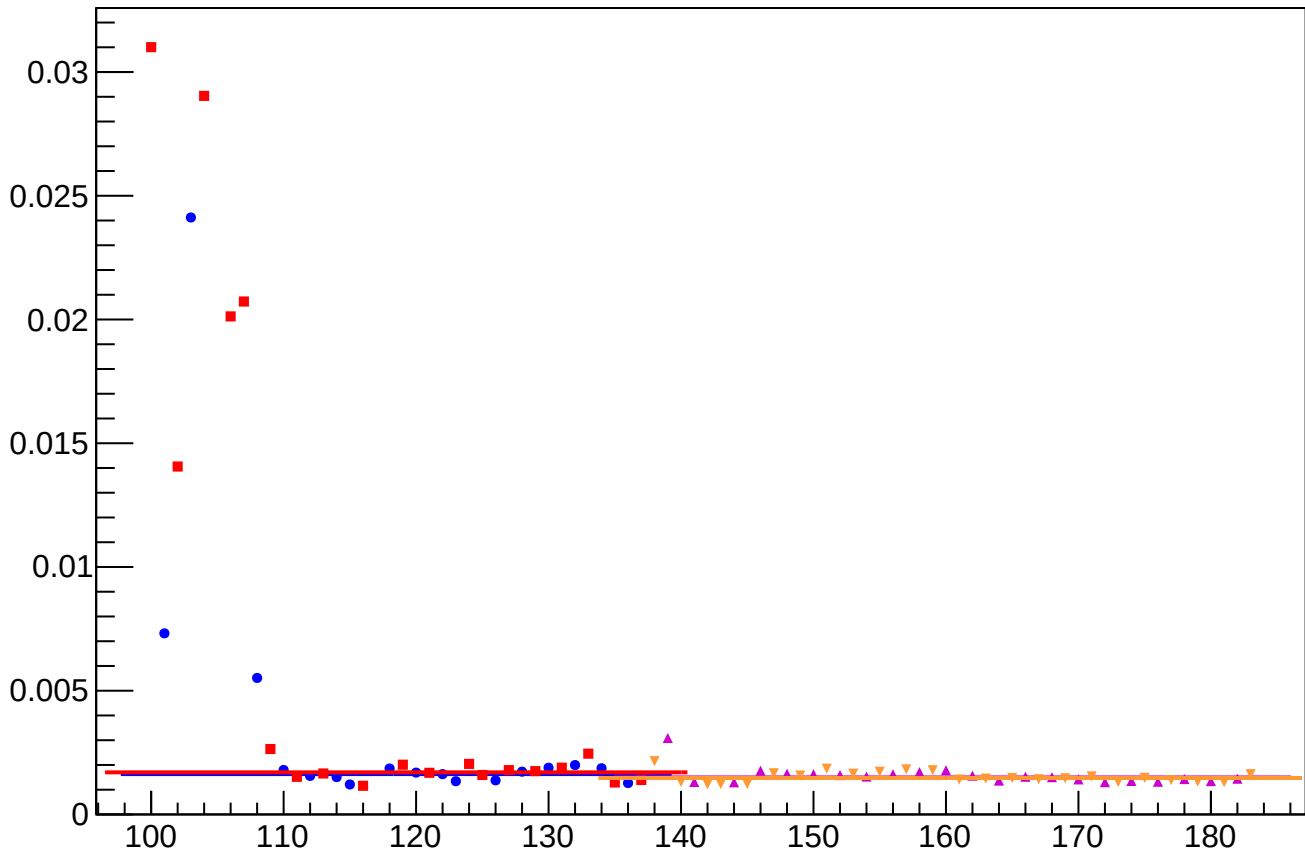
Out: 0.000+/-0.000 χ^2/NDF : 3197529748.5/42

Left In: 0.000+/-0.000

χ^2/NDF : 93163976.7/21

All: 0.000+/-0.000 χ^2/NDF : 13096504452.2/8

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1921590.0/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:537433.0/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023068.5/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:655532.5/21

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 1196347.0/45

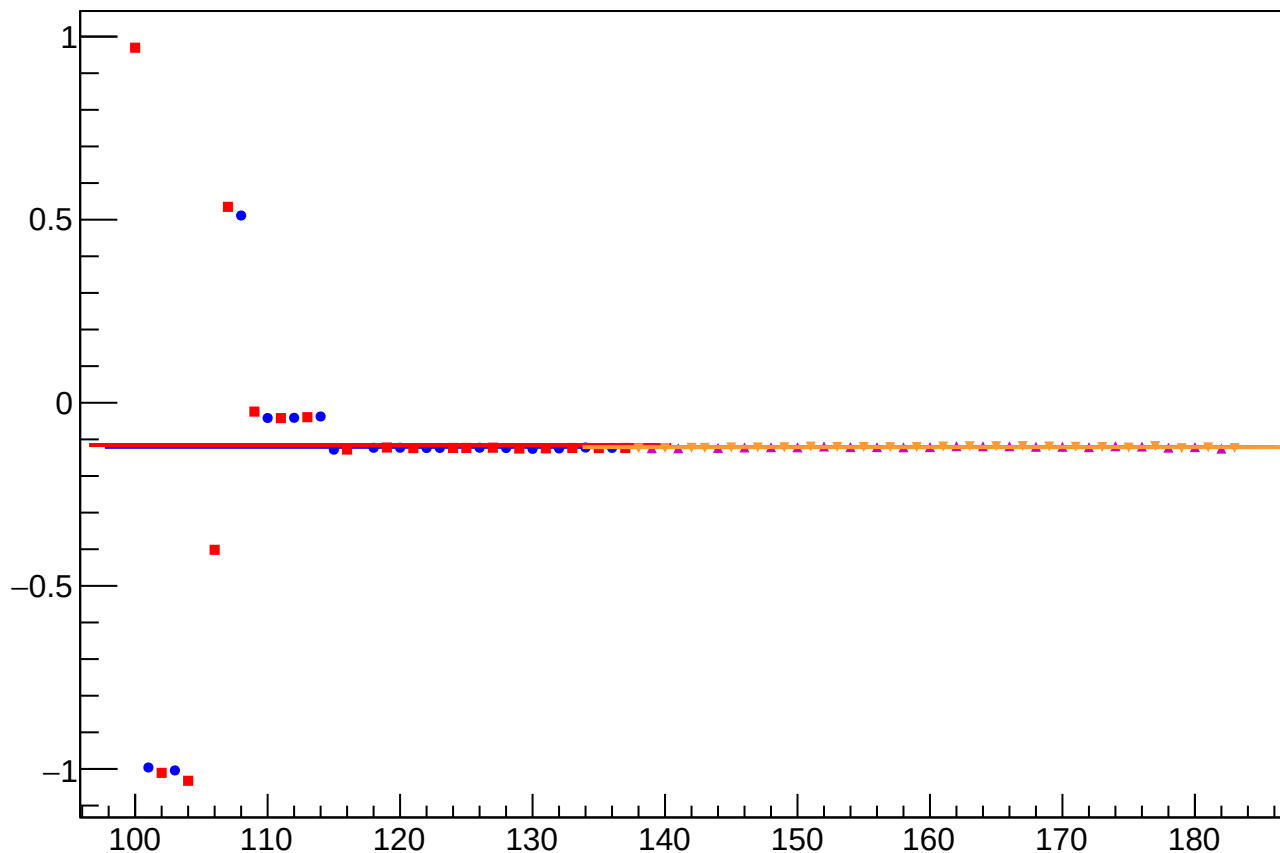
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4952487.9/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF:2626055.3/38

Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3691433.9/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6318231.2/81

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932599788.9/16

Left Out: -0.121+/-0.000 χ^2/NDF : 58150354.4/23

Right Out: -0.115+/-0.000 χ^2/NDF : 2456183694.8/18

Left In: -0.121+/-0.000 χ^2/NDF : 46374196.3/21

Left: -0.121+/-0.000 χ^2/NDF : 104942698.2/45

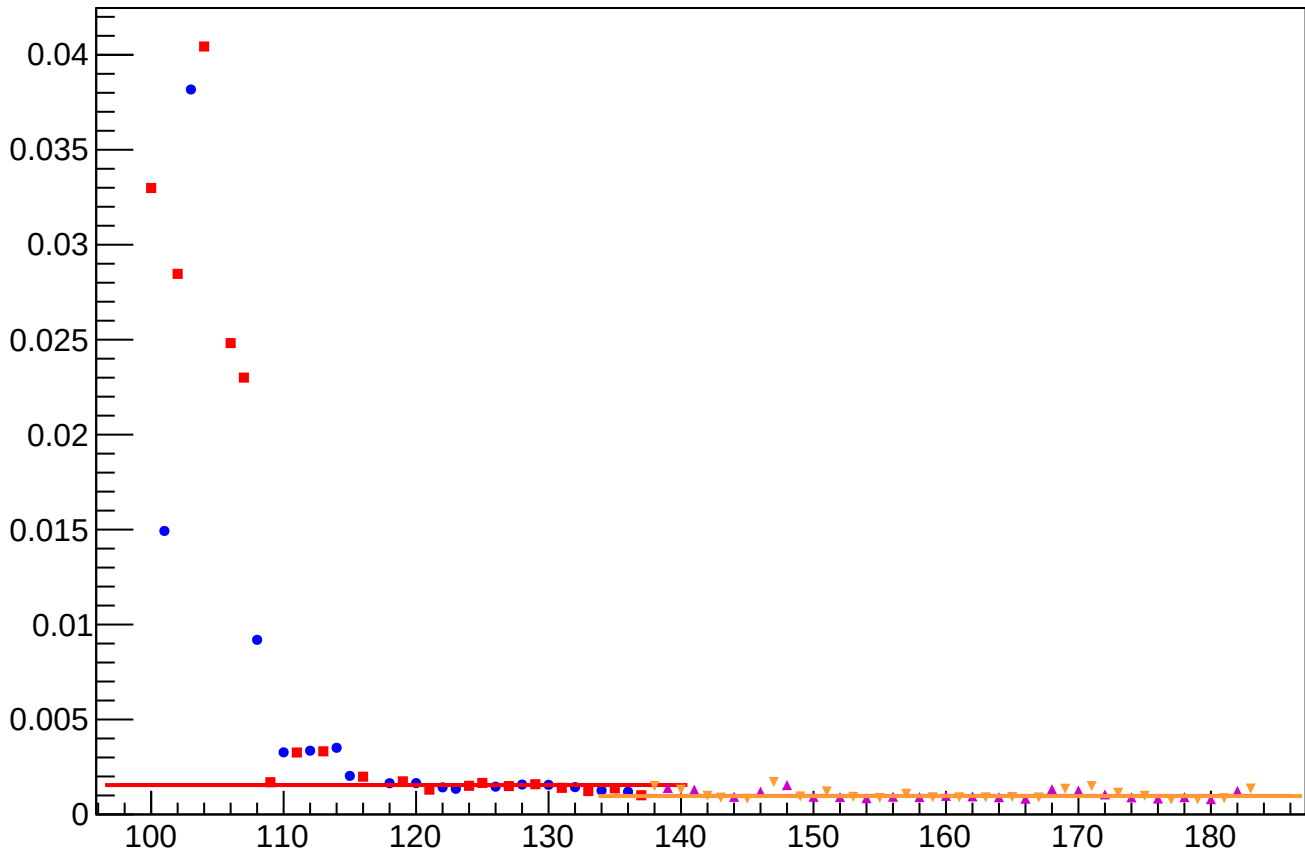
Right: -0.118+/-0.000 χ^2/NDF : 6411583198.4/35

In: -0.121+/-0.000 χ^2/NDF : 3979466768.0/38

Out: -0.121+/-0.000 χ^2/NDF : 2569465410.8/42

All: -0.121+/-0.000 χ^2/NDF : 6549629678.8/8

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2897244.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1338794.9/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3536477.8/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:950432.0/21

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 2290206.2/45

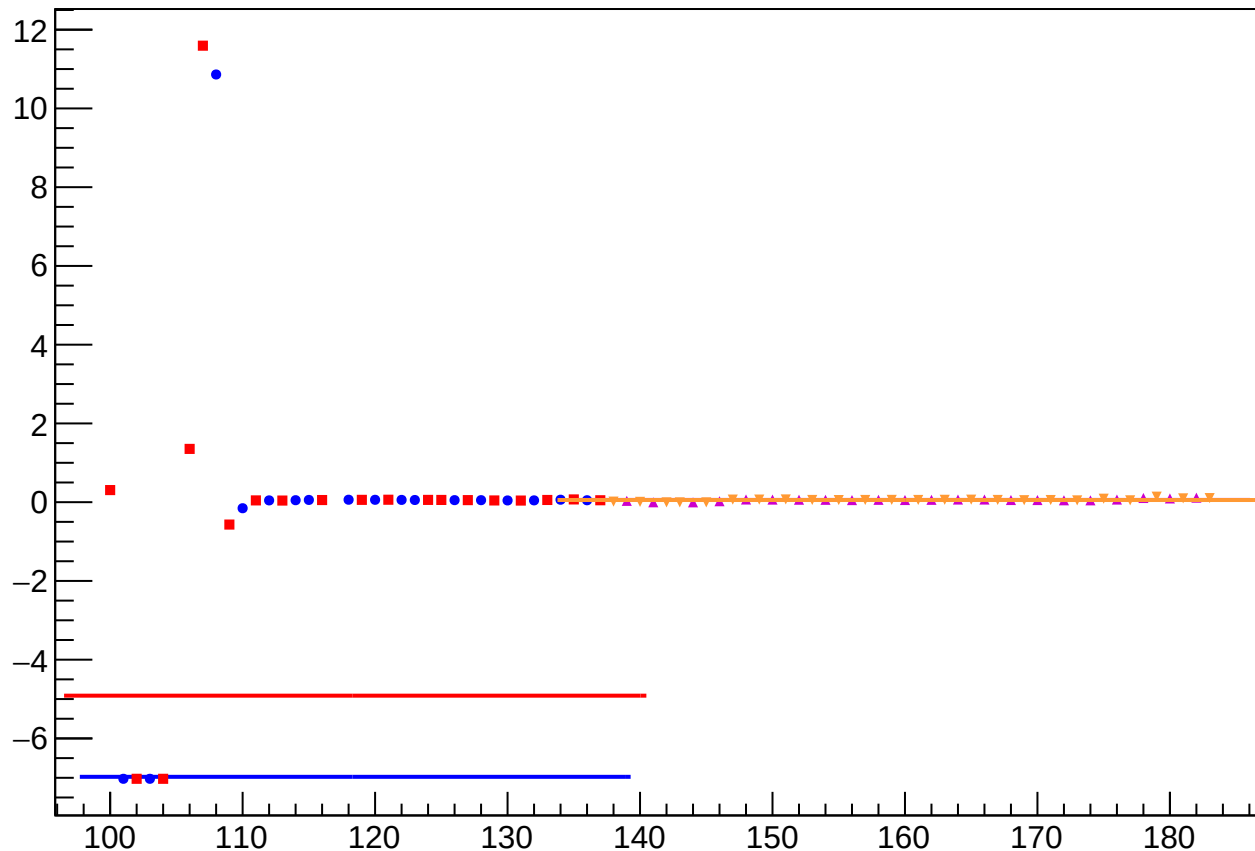
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 6433775.1/35

In: 0.001 $\pm$ 0.000 χ^2 /NDF:4973985.9/38

Out: 0.001 $\pm$ 0.000 χ^2 /NDF:6024509.6/42

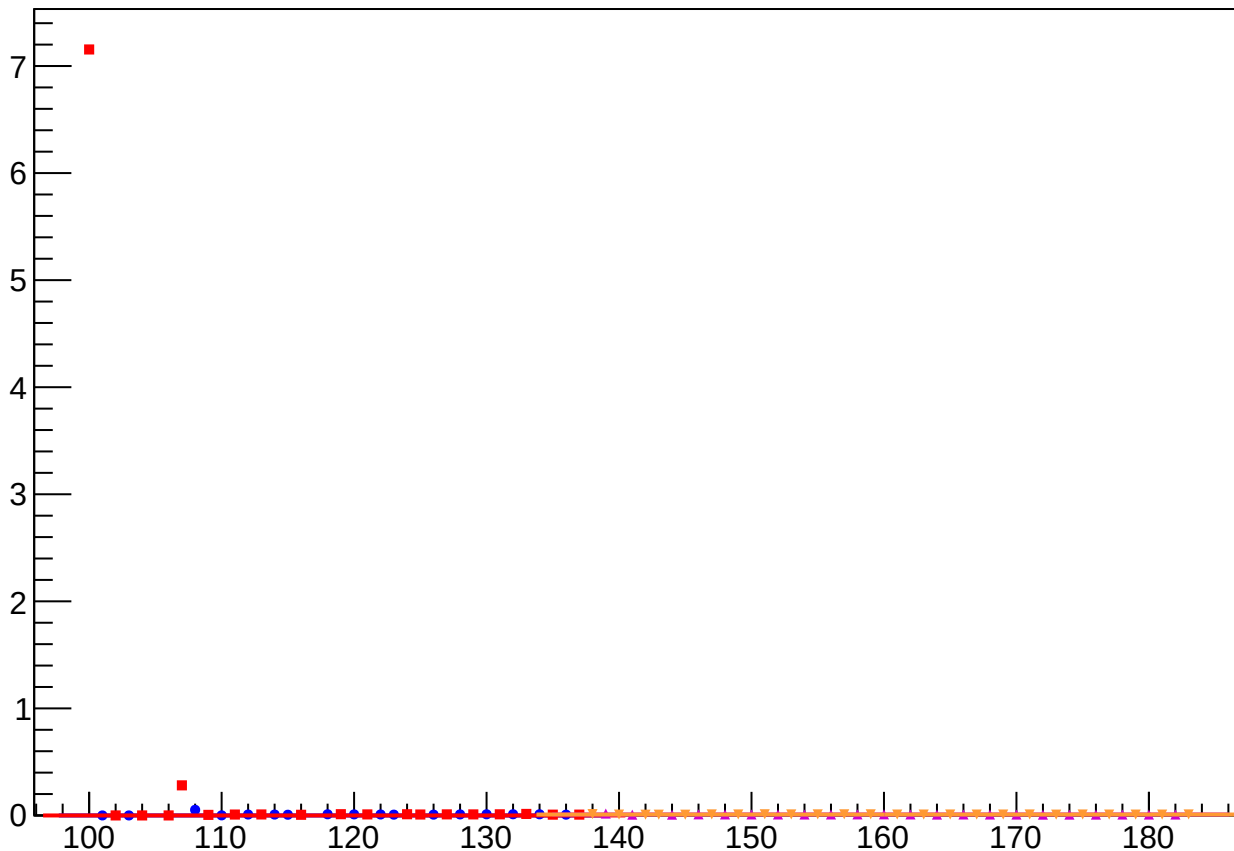
All: 0.001 $\pm$ 0.000 χ^2 /NDF: 11000580.7/81

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8762449111165.9/16
 Left Out: 0.055+/-0.000 χ^2/NDF : 243693428.3/23
 Right Out: -4.914+/-0.000 χ^2/NDF : 365348533697497.2/18
 Left In: 0.057+/-0.000 χ^2/NDF : 153596116.6/21
 Left: 0.056+/-0.000 χ^2/NDF : 397754411.1/45
 Right: -5.900+/-0.000 χ^2/NDF : 430303190760897.4
 In: -6.926+/-0.000 χ^2/NDF : 17420861774740.3/38
 Out: -4.879+/-0.000 χ^2/NDF : 370091939616489.8
 All: -5.859+/-0.000 χ^2/NDF : 4433288915482

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8227727.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 509935.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8749291.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 629883.0/21

Left: 0.009+/-0.000 χ^2/NDF : 1144609.7/45

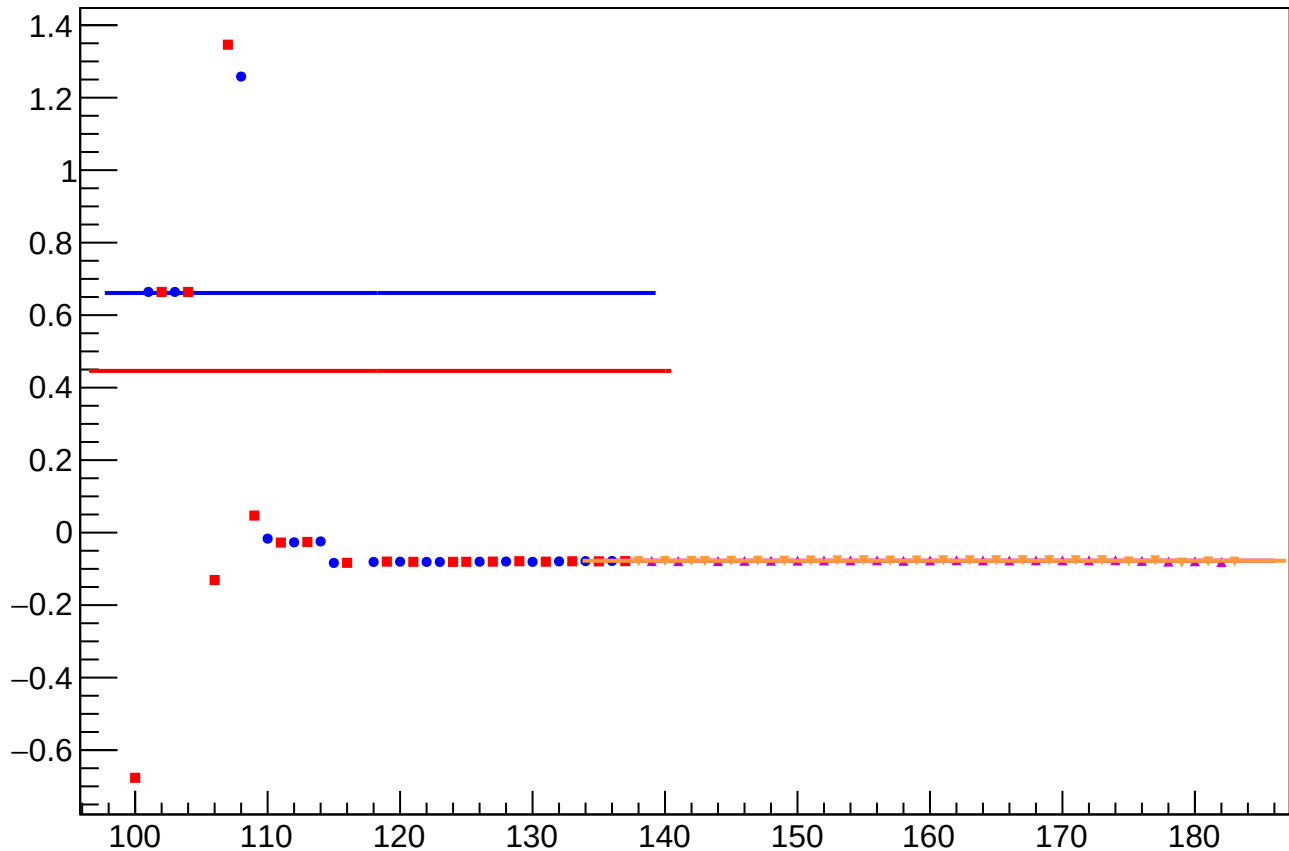
Right: 0.000+/-0.000 χ^2/NDF : 16977327.0/35

In: 0.000+/-0.000 χ^2/NDF : 35429390.6/38

Out: 0.000+/-0.000 χ^2/NDF : 37368988.2/42

All: 0.000+/-0.000 χ^2/NDF : 72798834.8/81

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000

χ^2/NDF : 5585151330309.5/16

Left: -0.077+/-0.000

χ^2/NDF : 241705552.2/45

Left Out: -0.078+/-0.000

χ^2/NDF : 156473064.9/23

Right: 0.549+/-0.000

χ^2/NDF : 473931105024777.9

Right Out: 0.446+/-0.000

χ^2/NDF : 405416742195381.0/18

In: 0.647+/-0.000

χ^2/NDF : 33411135792799.0/38

Out: 0.436+/-0.000

χ^2/NDF : 420376575266181.6/4

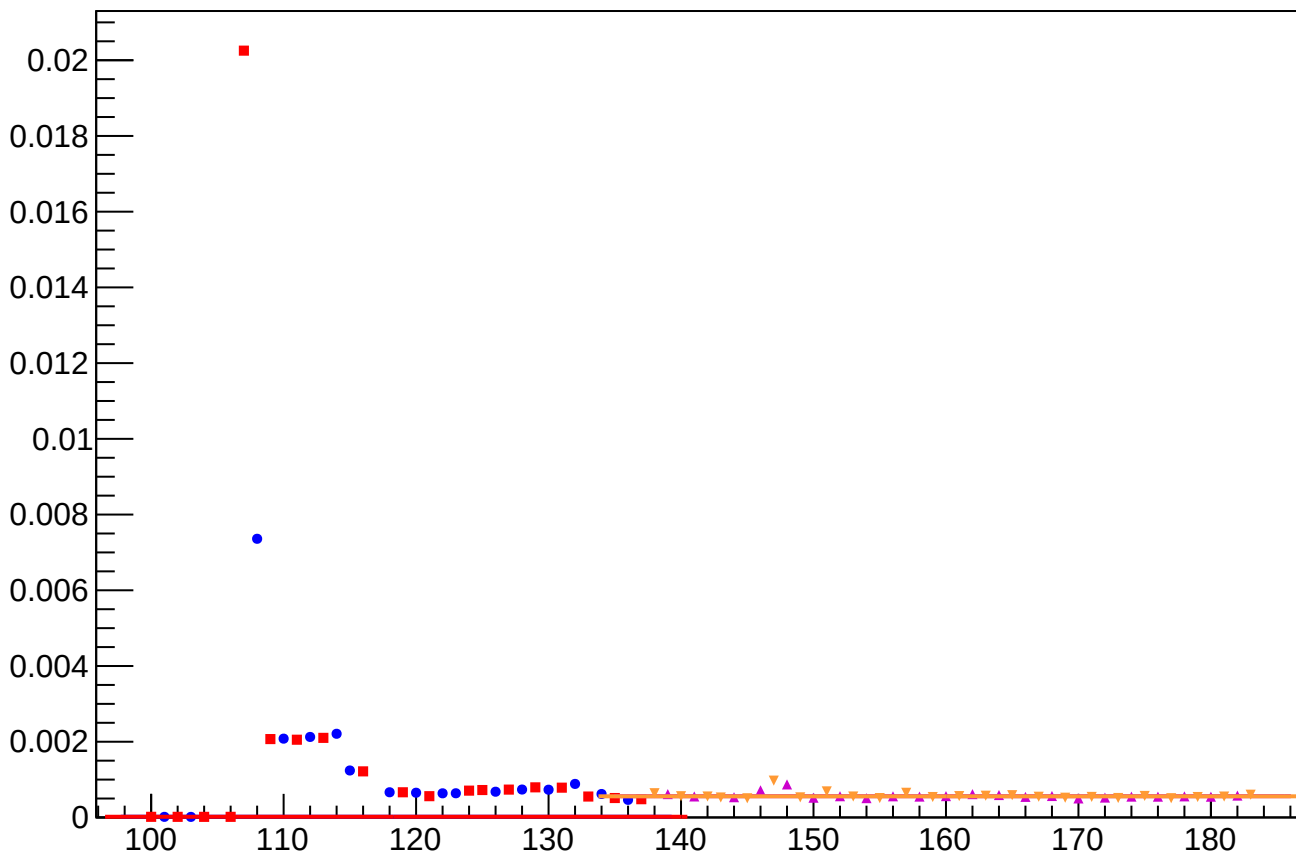
Left In: -0.077+/-0.000

χ^2/NDF : 84769152.2/21

All: 0.537+/-0.000

χ^2/NDF : 51533242252578

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000

χ^2/NDF : 9835626.2/16

Left Out: 0.001+/-0.000

χ^2/NDF : 464430.7/23

Right Out: 0.000+/-0.000

χ^2/NDF : 9440944.6/18

Left In: 0.001+/-0.000

χ^2/NDF : 355409.0/21

Left: 0.001+/-0.000

χ^2/NDF : 820505.9/45

Right: 0.000+/-0.000

χ^2/NDF : 19276577.2/35

In: 0.000+/-0.000

χ^2/NDF : 40333402.6/38

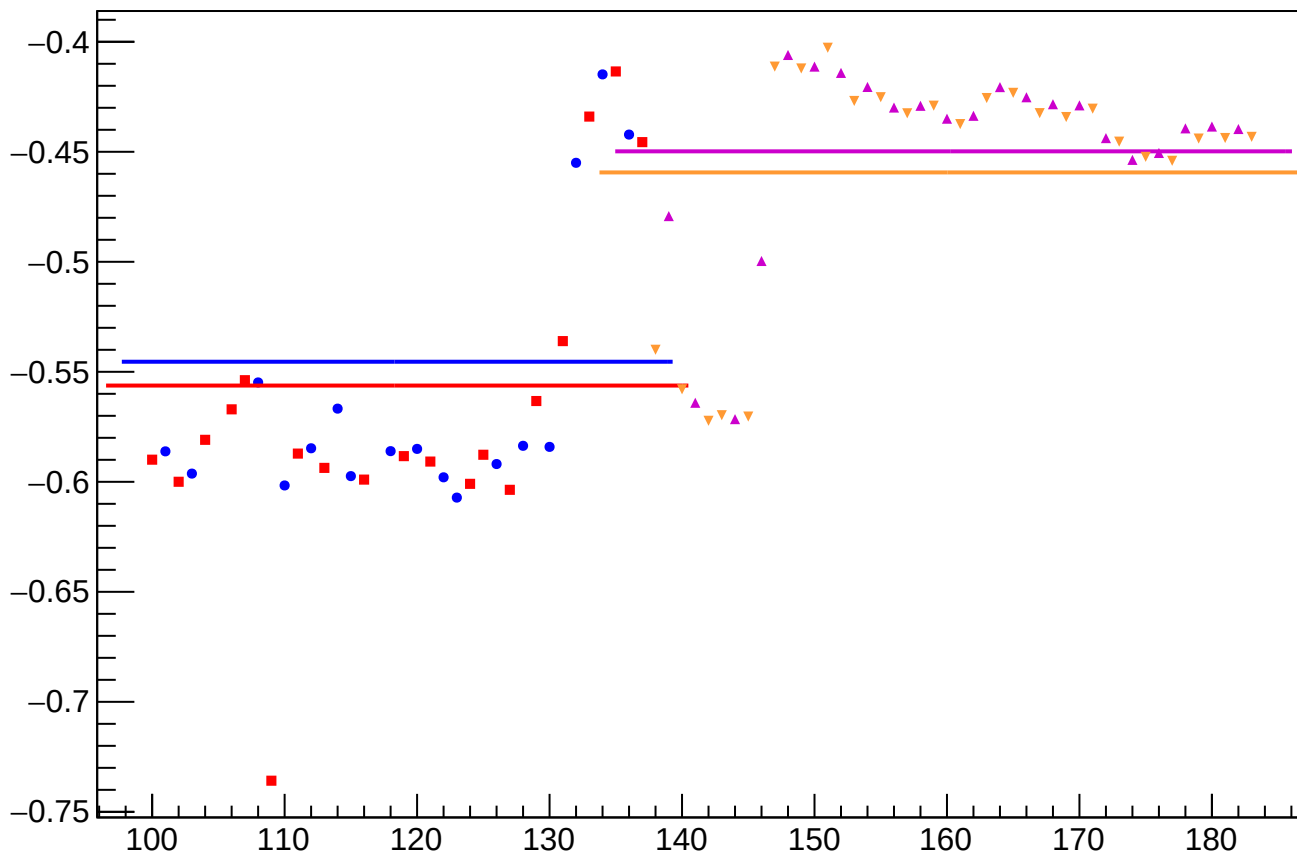
Out: 0.000+/-0.000

χ^2/NDF : 41716391.8/42

All: 0.000+/-0.000

χ^2/NDF : 82050163.6/81

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.545+/-0.000 χ^2/NDF : 46353554.3/16

Left Out: -0.459+/-0.000 χ^2/NDF : 113720833.7/23

Right Out: -0.556+/-0.000 χ^2/NDF : 63720924.6/18

Left In: -0.450+/-0.000 χ^2/NDF : 76147236.8/21

Left: -0.455+/-0.000 χ^2/NDF : 191617371.5/45

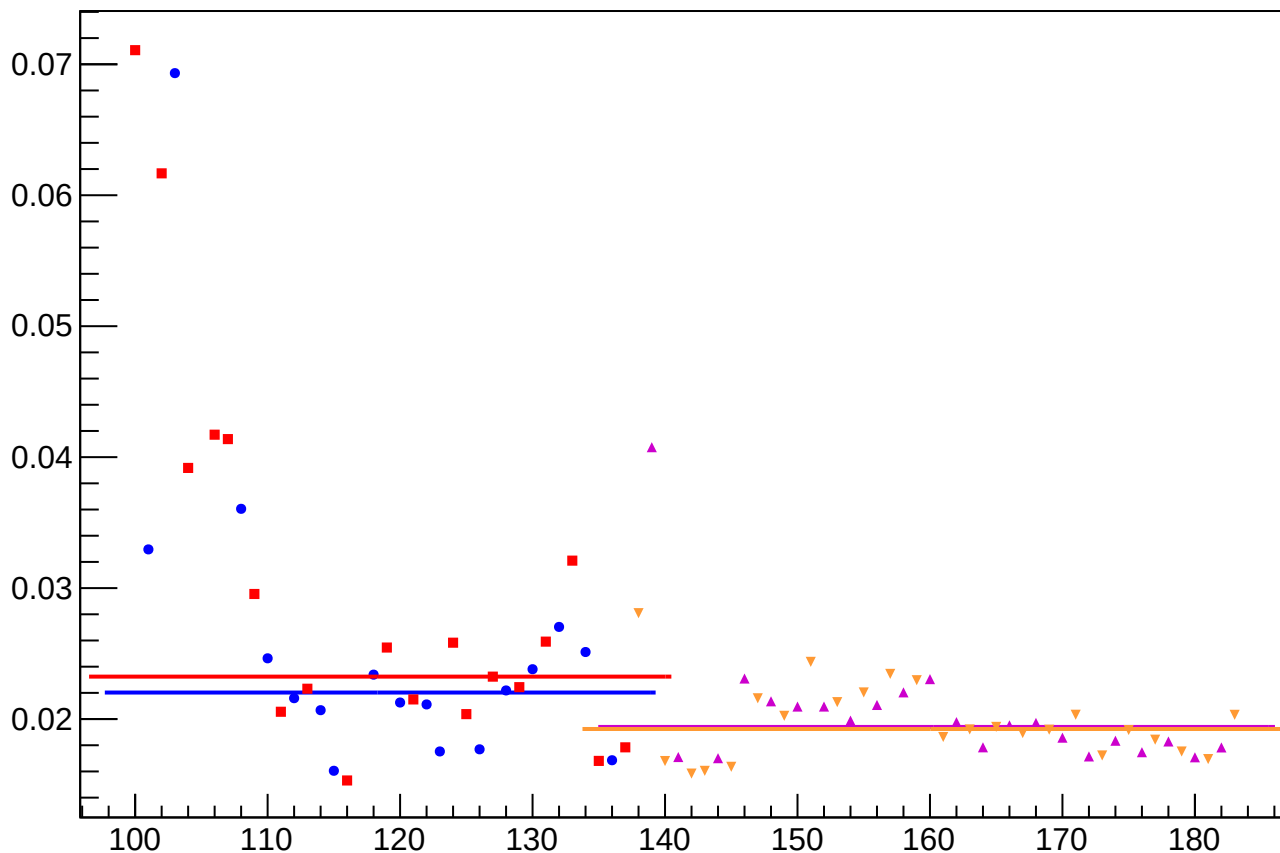
Right: -0.551+/-0.000 χ^2/NDF : 110666171.8/35

In: -0.471+/-0.000 χ^2/NDF : 196490048.1/38

Out: -0.479+/-0.000 χ^2/NDF : 251319931.3/42

All: -0.475+/-0.000 χ^2/NDF : 449261964.7/81

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 958242.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 499958.8/23

Right Out: 0.023+/-0.000 χ^2/NDF : 1154898.9/18

Left In: 0.019+/-0.000 χ^2/NDF : 654413.2/21

Left: 0.019+/-0.000 χ^2/NDF : 1155303.6/45

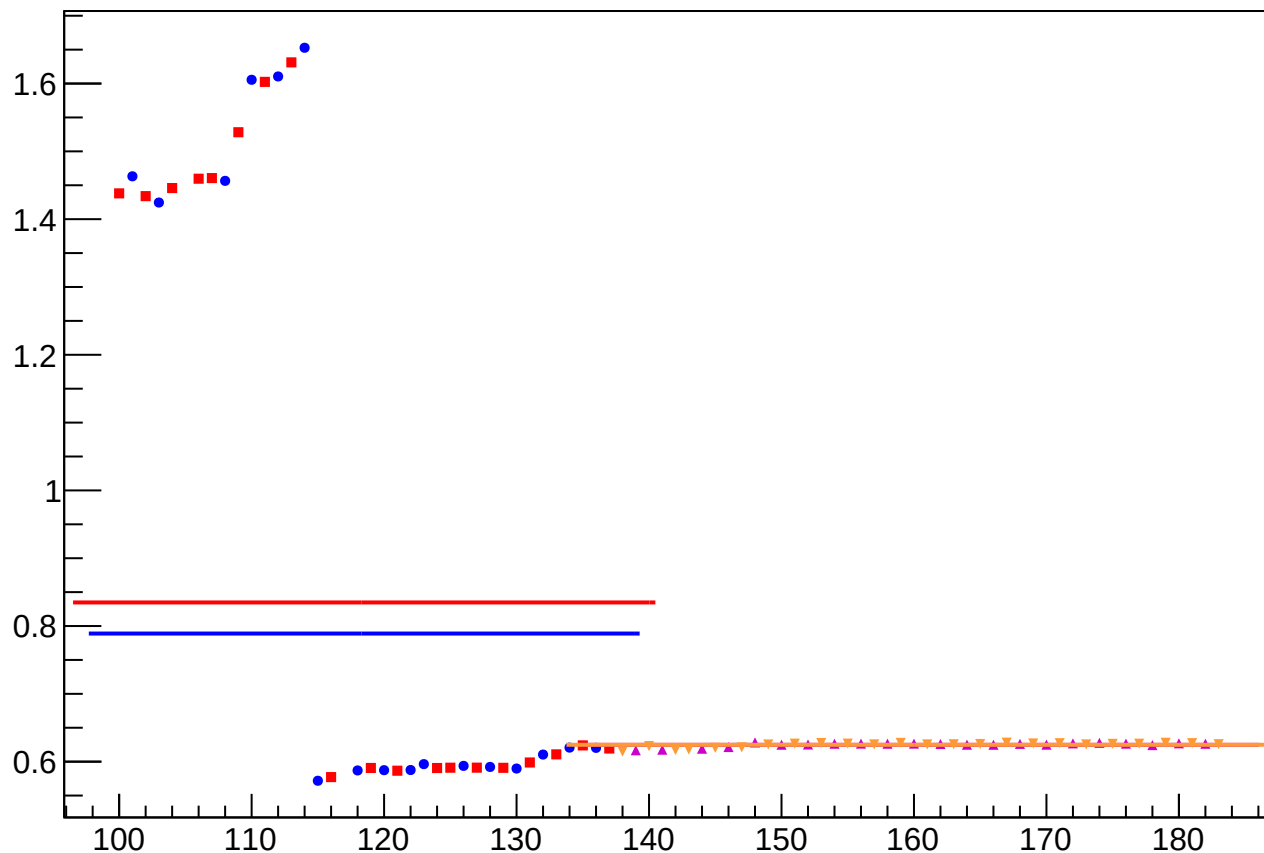
Right: 0.023+/-0.000 χ^2/NDF : 2128066.2/35

In: 0.020+/-0.000 χ^2/NDF : 1724333.4/38

Out: 0.020+/-0.000 χ^2/NDF : 1906699.2/42

All: 0.020+/-0.000 χ^2/NDF : 3631203.6/81

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.789+/-0.000 χ^2/NDF : 3572292316.9/16

Left Out: 0.625+/-0.000 χ^2/NDF :1442224.1/23

Right Out: 0.835+/-0.000 χ^2/NDF : 4145929509.1/18

Left In: 0.625+/-0.000 χ^2/NDF :1111742.9/21

Left: 0.625+/-0.000 χ^2/NDF : 2555008.7/45

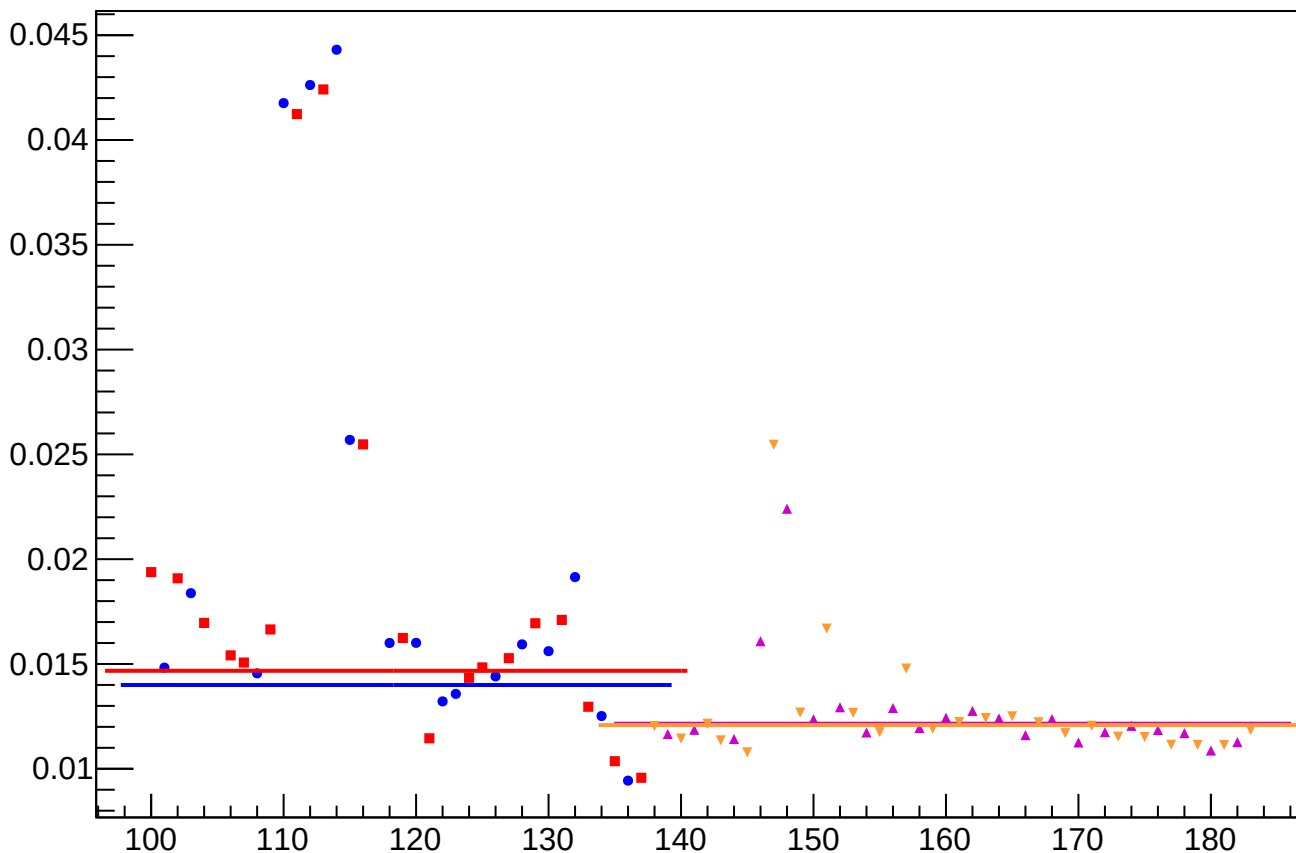
Right: 0.812+/-0.000 χ^2/NDF : 7747869439.7/35

In: 0.658+/-0.000 χ^2/NDF :4187201761.4/38

Out: 0.665+/-0.000 χ^2/NDF :5140810114.4/42

All: 0.661+/-0.000 χ^2/NDF : 9330958222.2/81

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1393658.1/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 655998.4/23

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1257158.3/18

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 485791.6/21

Left: 0.012 $\pm$ 0.000 χ^2/NDF : 1142313.5/45

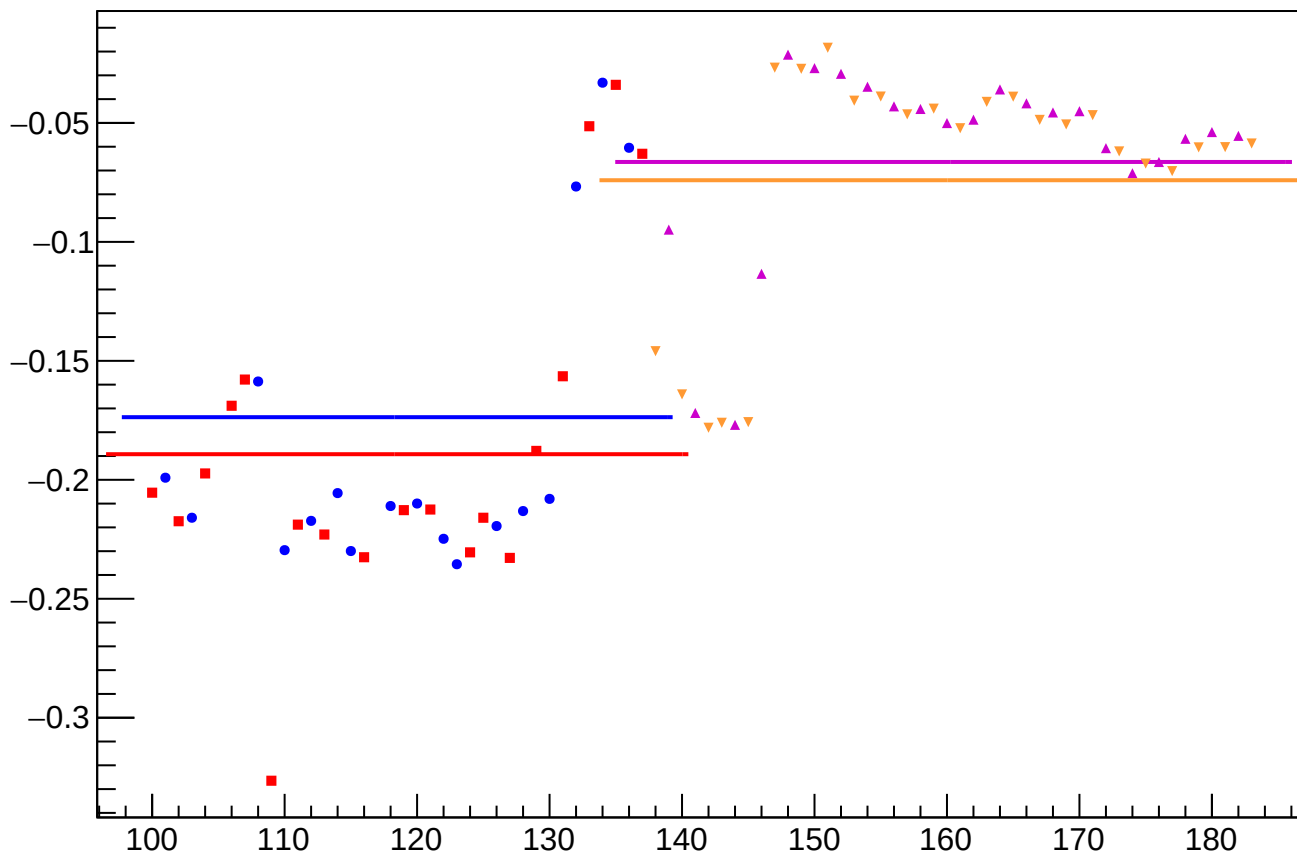
Right: 0.014 $\pm$ 0.000 χ^2/NDF : 2663748.0/35

In: 0.013 $\pm$ 0.000 χ^2/NDF : 2034841.4/38

Out: 0.013 $\pm$ 0.000 χ^2/NDF : 2216058.3/42

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4251212.8/81

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.174+/-0.000 χ^2/NDF : 66840344.3/16

Left Out: -0.074+/-0.000 χ^2/NDF : 107797675.8/23

Right Out: -0.189+/-0.000 χ^2/NDF : 81440695.3/18

Left In: -0.066+/-0.000 χ^2/NDF : 76280284.4/21

Left: -0.070+/-0.000 χ^2/NDF : 185215454.7/45

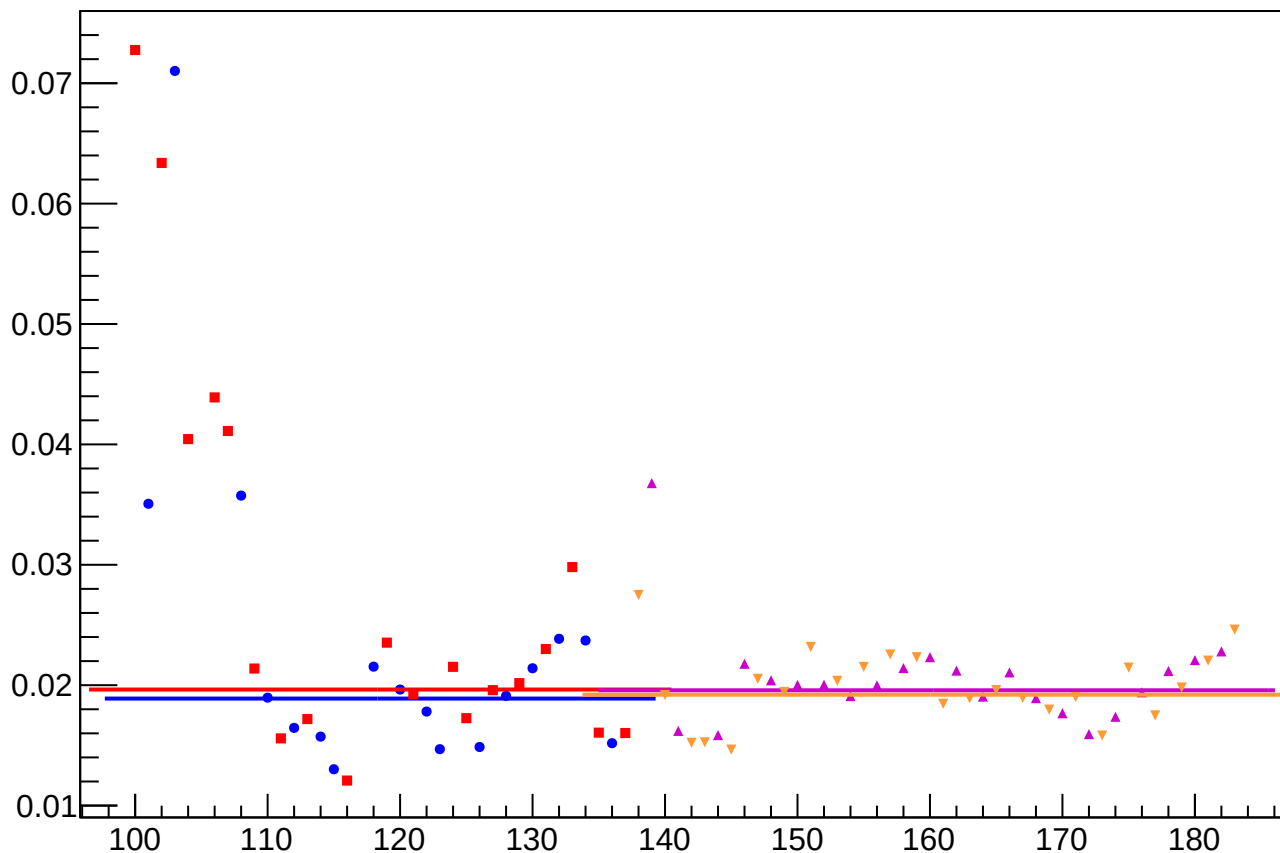
Right: -0.181+/-0.000 χ^2/NDF : 149928628.1/35

In: -0.096+/-0.000 χ^2/NDF : 258848929.7/38

Out: -0.103+/-0.000 χ^2/NDF : 322644397.7/42

All: -0.099+/-0.000 χ^2/NDF : 582797251.4/81

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1212238.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 628370.0/23

Right Out: 0.020+/-0.000 χ^2/NDF : 1451854.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 651235.7/21

Left: 0.019+/-0.000 χ^2/NDF : 1284758.1/45

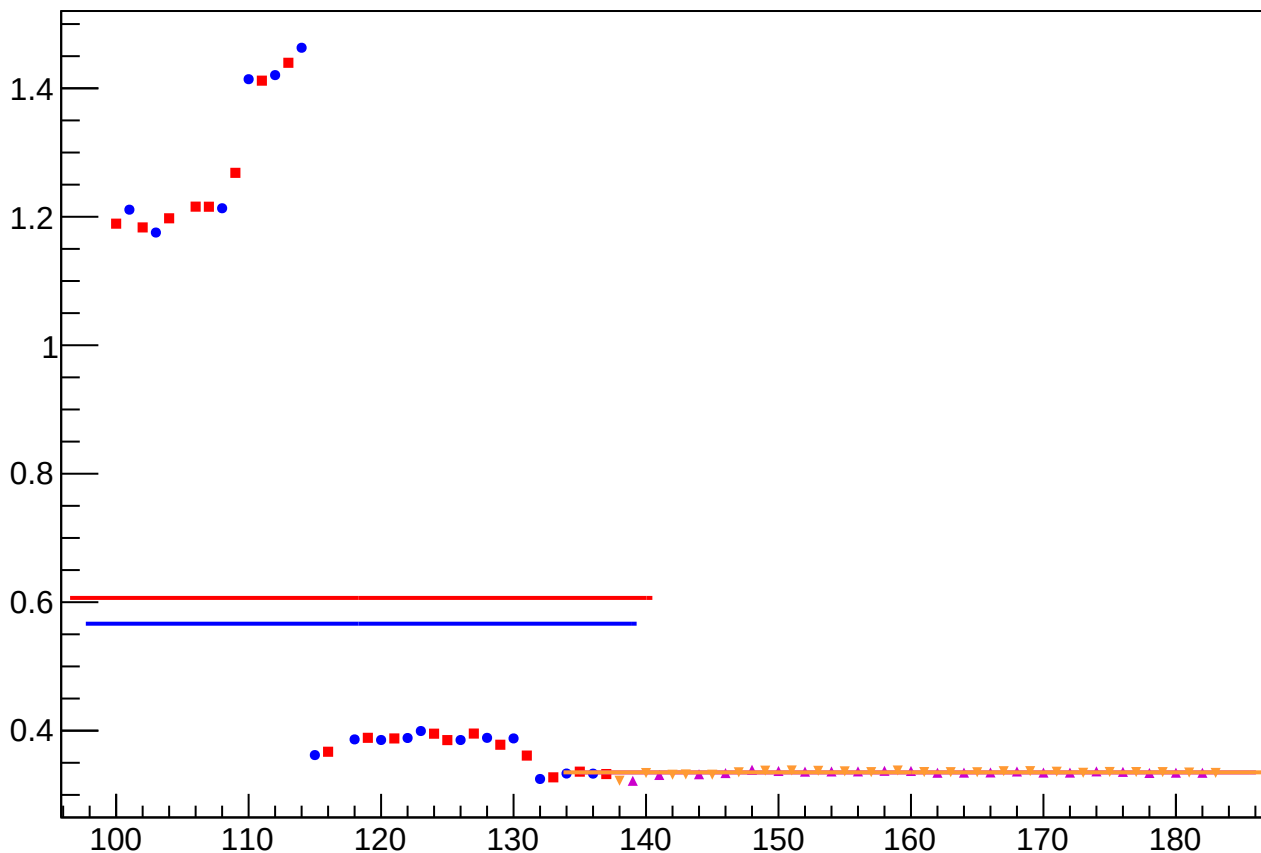
Right: 0.019+/-0.000 χ^2/NDF : 2671772.5/35

In: 0.019+/-0.000 χ^2/NDF : 1872970.6/38

Out: 0.019+/-0.000 χ^2/NDF : 2083938.6/42

All: 0.019+/-0.000 χ^2/NDF : 3957173.0/81

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5026553135.6/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1151100.1/23

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5520995734.6/18

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1196575.7/21

Left: 0.335 $\pm$ 0.000 χ^2 /NDF: 2348691.8/45

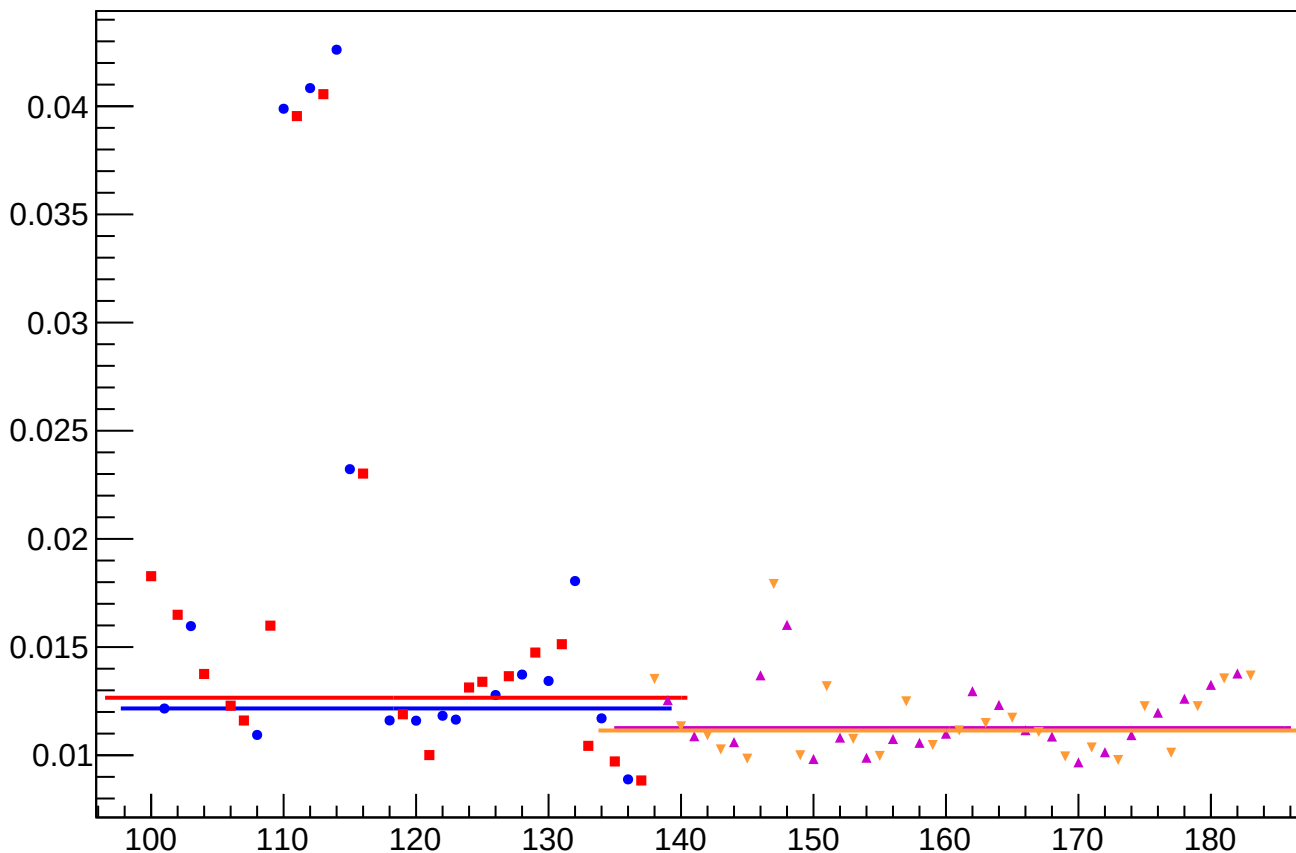
Right: 0.586 $\pm$ 0.000 χ^2 /NDF: 10577499618.0/35

In: 0.387 $\pm$ 0.000 χ^2 /NDF:6593866708.6/38

Out: 0.392 $\pm$ 0.000 χ^2 /NDF:7658881106.7/42

All: 0.390 $\pm$ 0.000 χ^2 /NDF: 14254359060.6/80

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1302333.7/16

Left Out: 0.011+/-0.000 χ^2/NDF : 596311.8/23

Right Out: 0.013+/-0.000 χ^2/NDF : 1265522.0/18

Left In: 0.011+/-0.000 χ^2/NDF : 494474.3/21

Left: 0.011+/-0.000 χ^2/NDF : 1092418.0/45

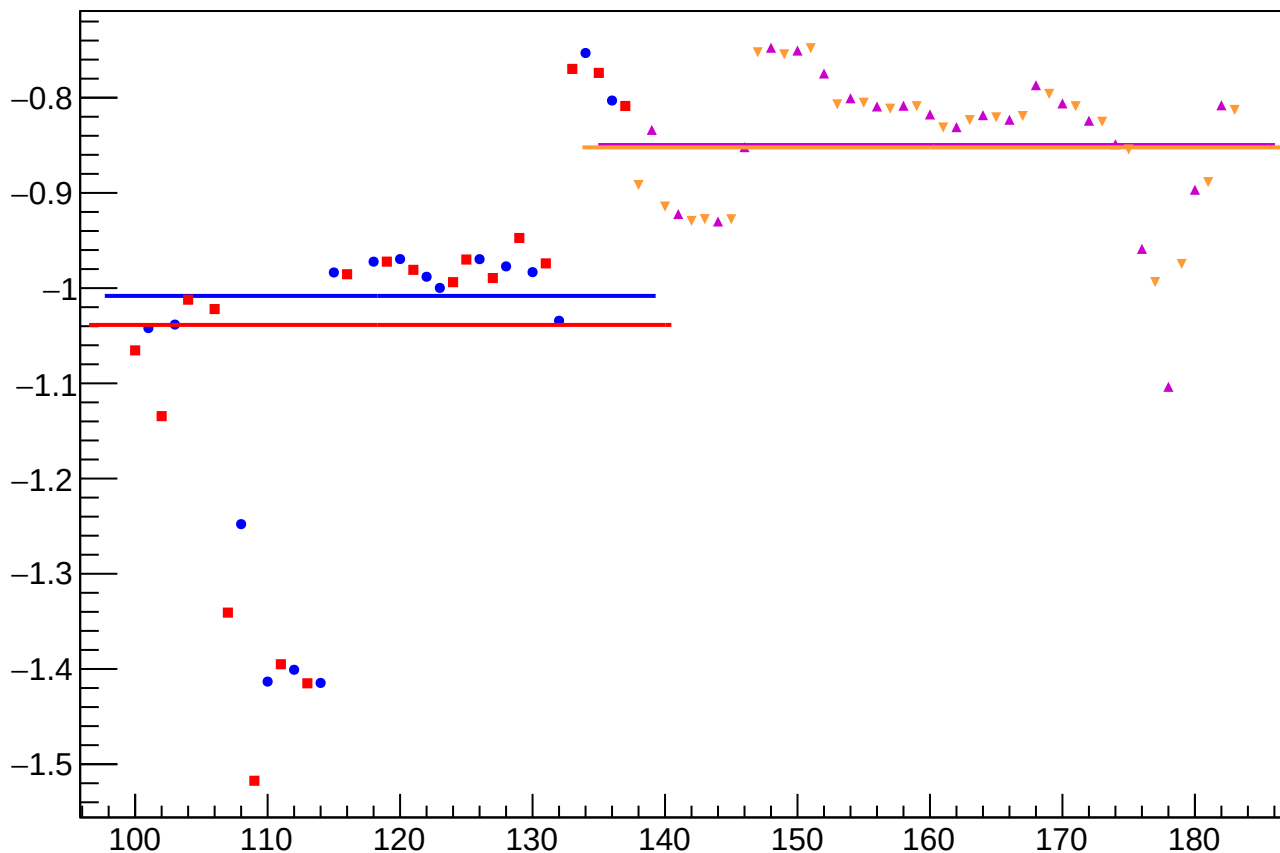
Right: 0.012+/-0.000 χ^2/NDF : 2576963.3/35

In: 0.011+/-0.000 χ^2/NDF : 1844951.7/38

Out: 0.011+/-0.000 χ^2/NDF : 1994516.4/42

All: 0.011+/-0.000 χ^2/NDF : 3839468.1/81

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.008+/-0.000 χ^2/NDF : 393095883.4/16

Left Out: -0.852+/-0.000 χ^2/NDF :188521119.1/23

Right Out: -1.039+/-0.000 χ^2/NDF : 534509069.6/18

Left In: -0.850+/-0.000 χ^2/NDF :255648830.2/21

Left: -0.851+/-0.000 χ^2/NDF : 444294189.3/45

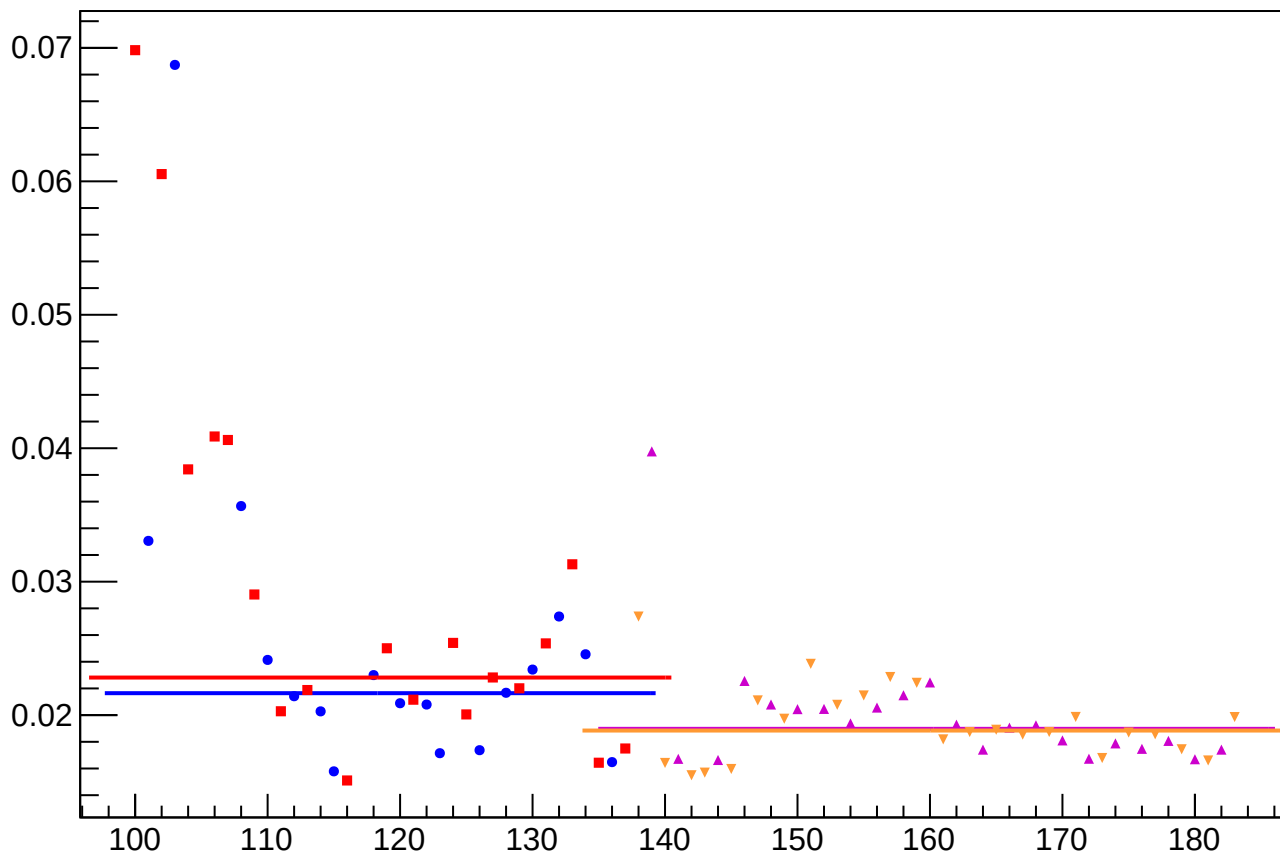
Right: -1.023+/-0.000 χ^2/NDF : 932453785.5/35

In: -0.884+/-0.000 χ^2/NDF :859361764.9/38

Out: -0.889+/-0.000 χ^2/NDF :1006786082.7/42

All: -0.887+/-0.000 χ^2/NDF : 1866719856.4/8

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 983373.6/16

Left Out: 0.019+/-0.000 χ^2/NDF : 488710.8/23

Right Out: 0.023+/-0.000 χ^2/NDF : 1150694.3/18

Left In: 0.019+/-0.000 χ^2/NDF : 642986.7/21

Left: 0.019+/-0.000 χ^2/NDF : 1132351.5/45

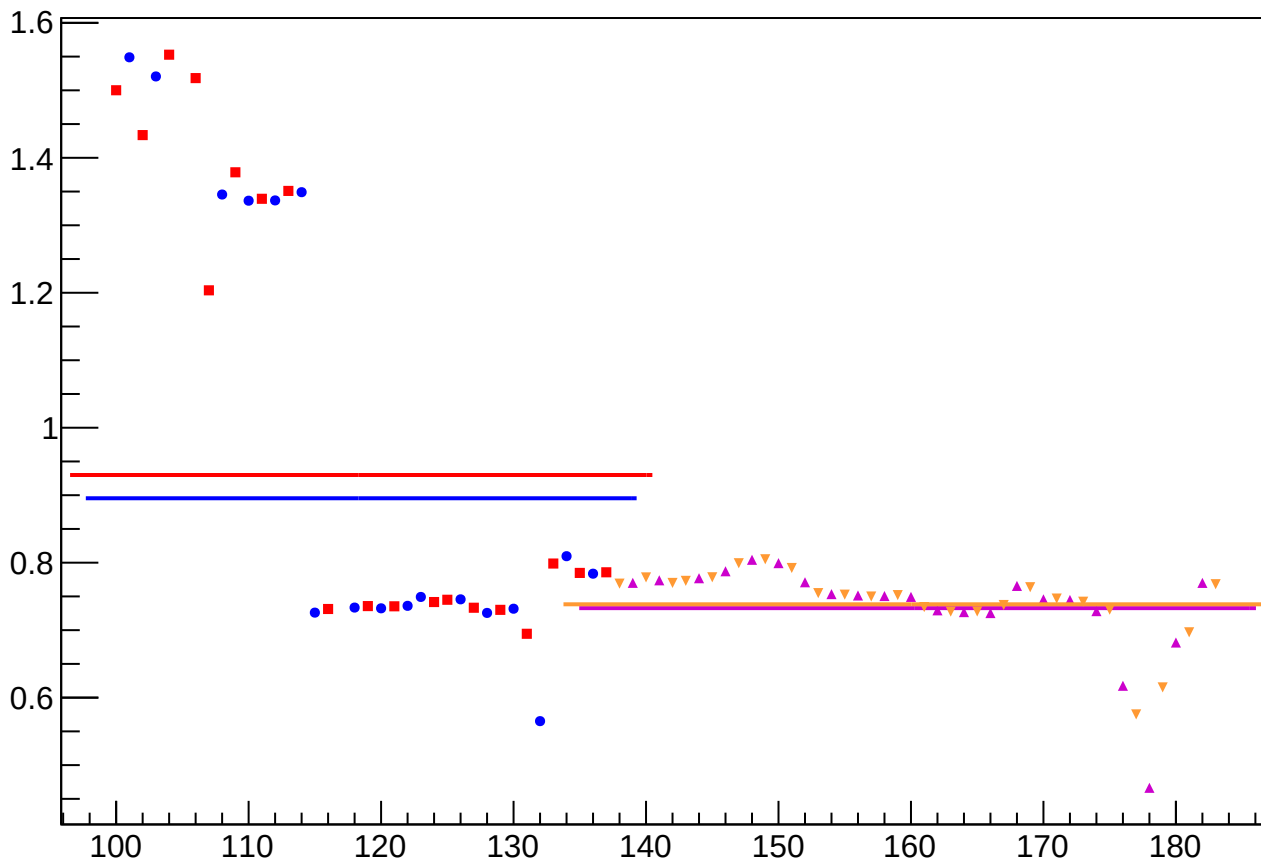
Right: 0.022+/-0.000 χ^2/NDF : 2148387.9/35

In: 0.020+/-0.000 χ^2/NDF : 1746083.1/38

Out: 0.020+/-0.000 χ^2/NDF : 1896814.3/42

All: 0.020+/-0.000 χ^2/NDF : 3643170.8/81

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.895 $\pm$ 0.000 χ^2 /NDF: 2392918091.7/16

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:331279844.8/23

Right Out: 0.930 $\pm$ 0.000 χ^2 /NDF: 2420081209.6/18

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:567388406.5/21

Left: 0.736 $\pm$ 0.000 χ^2 /NDF: 900519529.3/45

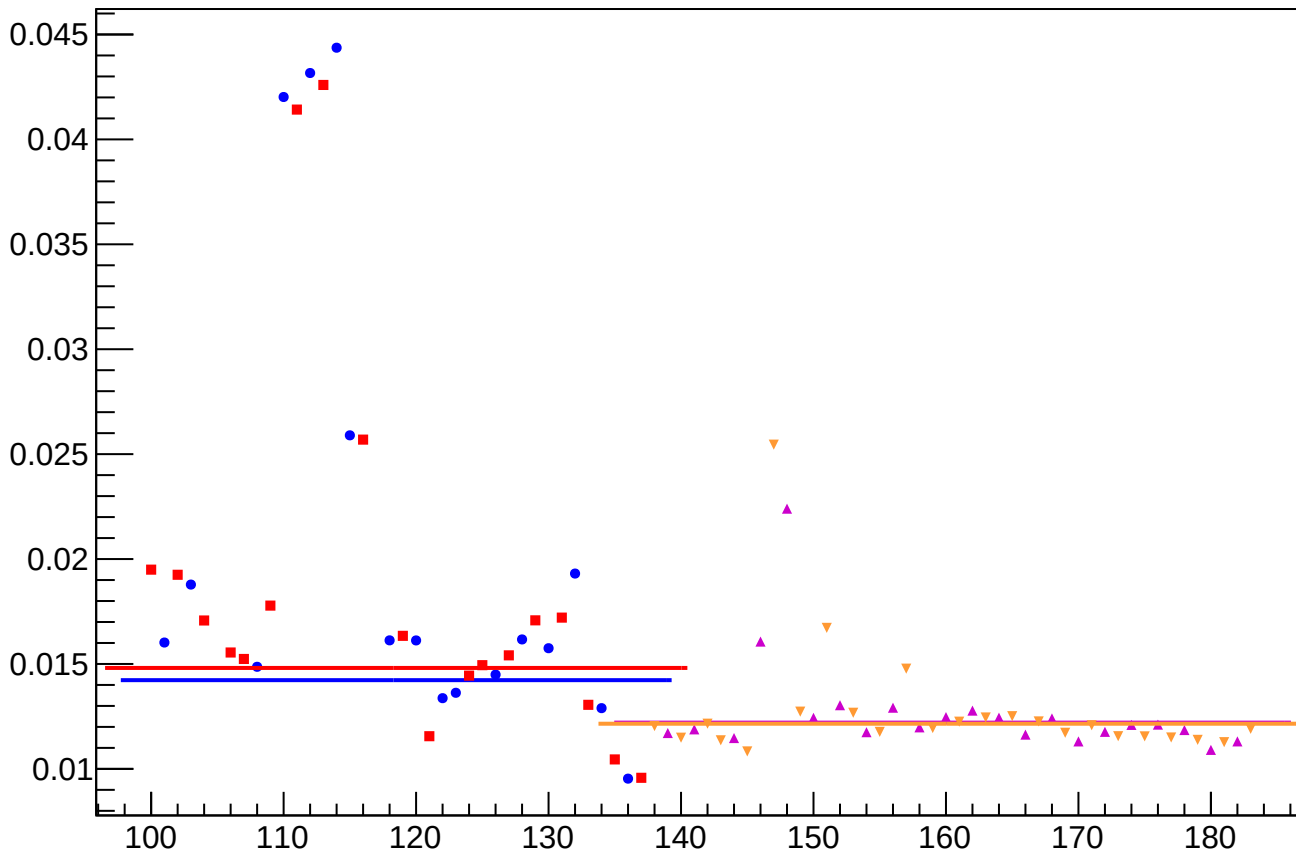
Right: 0.913 $\pm$ 0.000 χ^2 /NDF: 4829250239.4/35

In: 0.765 $\pm$ 0.000 χ^2 /NDF:3544770353.4/38

Out: 0.774 $\pm$ 0.000 χ^2 /NDF:3562178744.0/42

All: 0.770 $\pm$ 0.000 χ^2 /NDF: 7113025681.4/81

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1403945.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 636527.5/23

Right Out: 0.015+/-0.000 χ^2/NDF : 1267250.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 479147.1/21

Left: 0.012+/-0.000 χ^2/NDF : 1115996.1/45

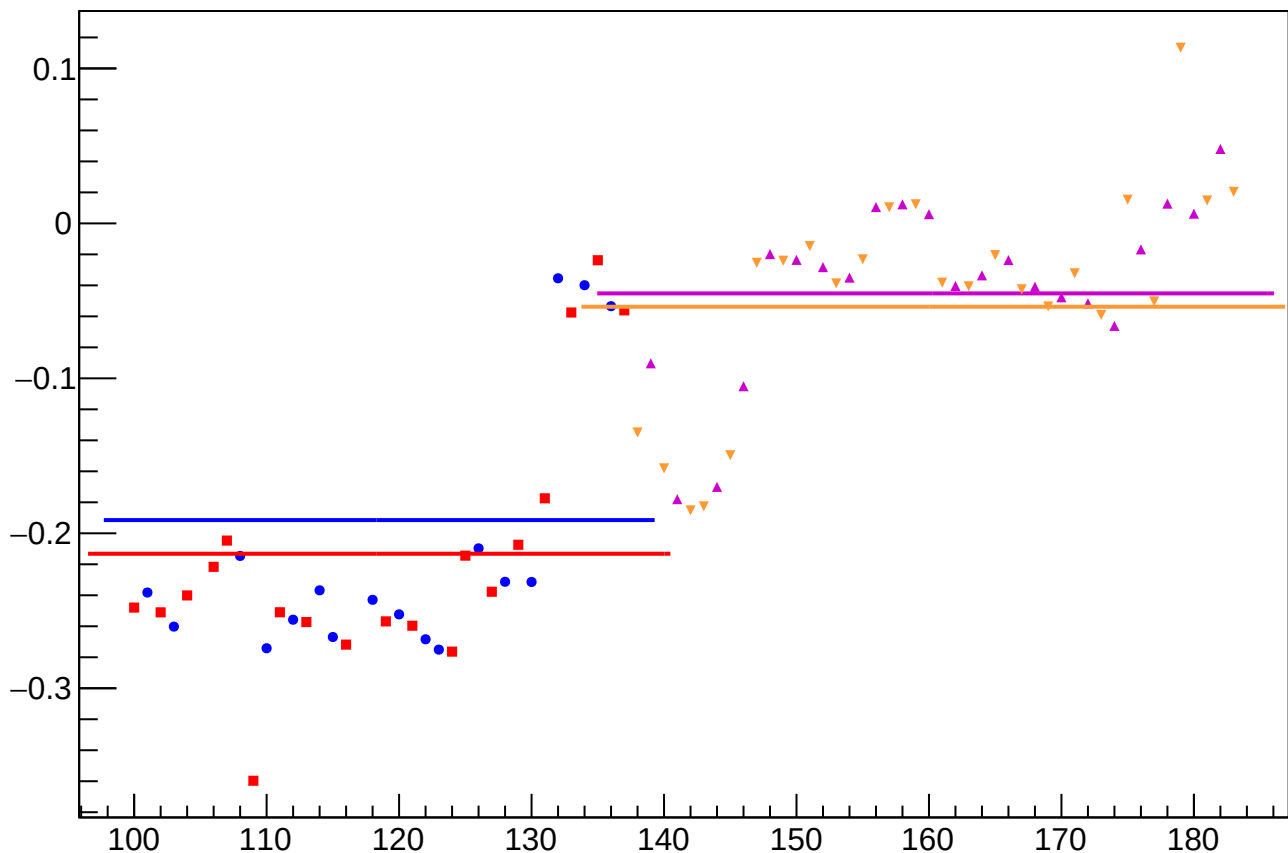
Right: 0.015+/-0.000 χ^2/NDF : 2680467.9/35

In: 0.013+/-0.000 χ^2/NDF : 2063580.3/38

Out: 0.013+/-0.000 χ^2/NDF : 2215968.6/42

All: 0.013+/-0.000 χ^2/NDF : 4279815.4/81

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.191 ± 0.000 $\chi^2/\text{NDF}: 105957051.0/16$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167782654.1/23$

Right Out: -0.213 ± 0.000 $\chi^2/\text{NDF}: 109604825.2/18$

Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 124018206.7/21$

Left: -0.050 ± 0.000 $\chi^2/\text{NDF}: 293228145.3/45$

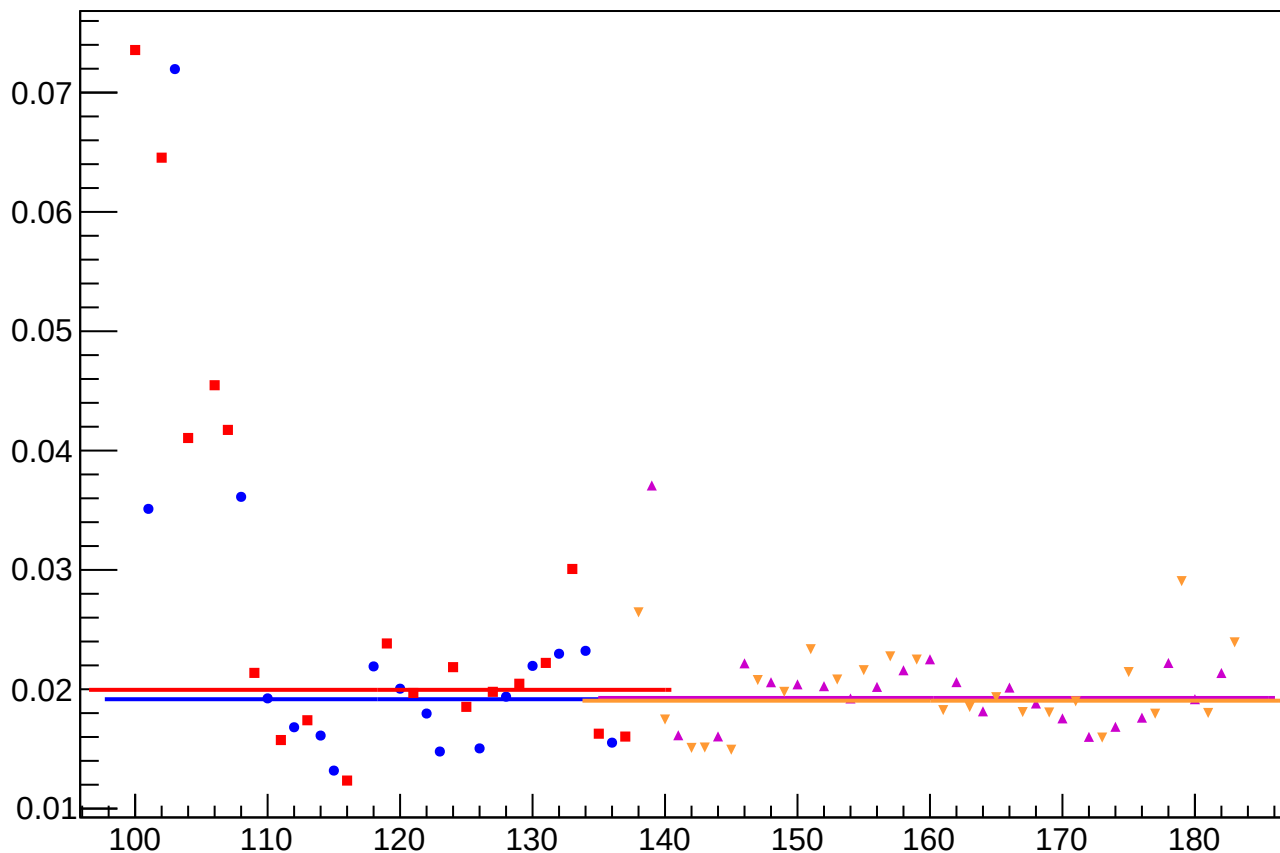
Right: -0.202 ± 0.000 $\chi^2/\text{NDF}: 218676699.4/35$

In: -0.084 ± 0.000 $\chi^2/\text{NDF}: 441589552.5/38$

Out: -0.093 ± 0.000 $\chi^2/\text{NDF}: 525799913.2/42$

All: -0.089 ± 0.000 $\chi^2/\text{NDF}: 969465084.1/81$

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1183198.6/16

Left Out: 0.019+/-0.000 χ^2/NDF : 690483.3/23

Right Out: 0.020+/-0.000 χ^2/NDF : 1442604.7/18

Left In: 0.019+/-0.000 χ^2/NDF : 651133.1/21

Left: 0.019+/-0.000 χ^2/NDF : 1343614.6/45

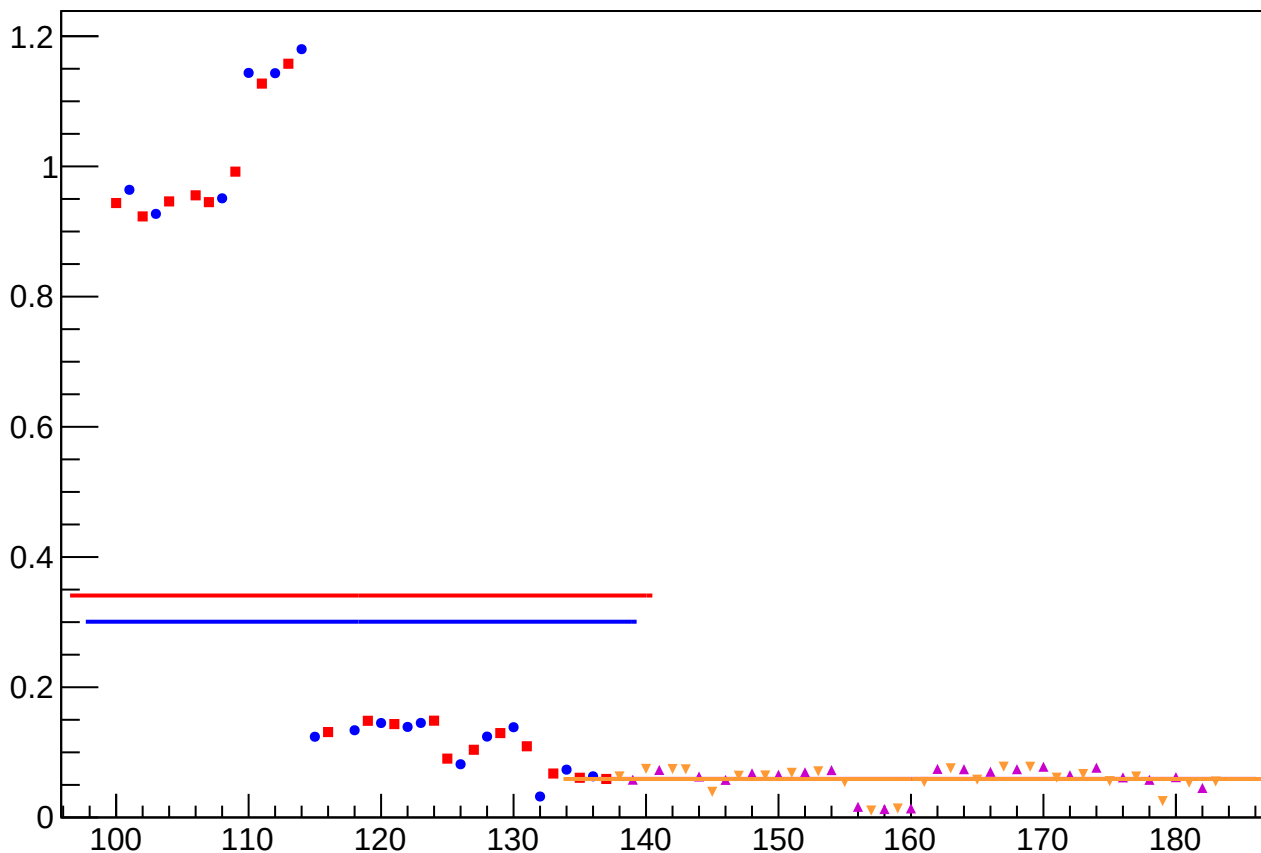
Right: 0.020+/-0.000 χ^2/NDF : 2633983.0/35

In: 0.019+/-0.000 χ^2/NDF : 1834555.0/38

Out: 0.019+/-0.000 χ^2/NDF : 2149232.1/42

All: 0.019+/-0.000 χ^2/NDF : 3983815.7/81

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5169454550.2/16

Left Out: 0.059+/-0.000 χ^2/NDF : 46598344.5/23

Right Out: 0.341+/-0.000 χ^2/NDF : 5465725389.6/18

Left In: 0.059+/-0.000 χ^2/NDF : 58128971.6/21

Left: 0.059+/-0.000 χ^2/NDF : 104728863.0/45

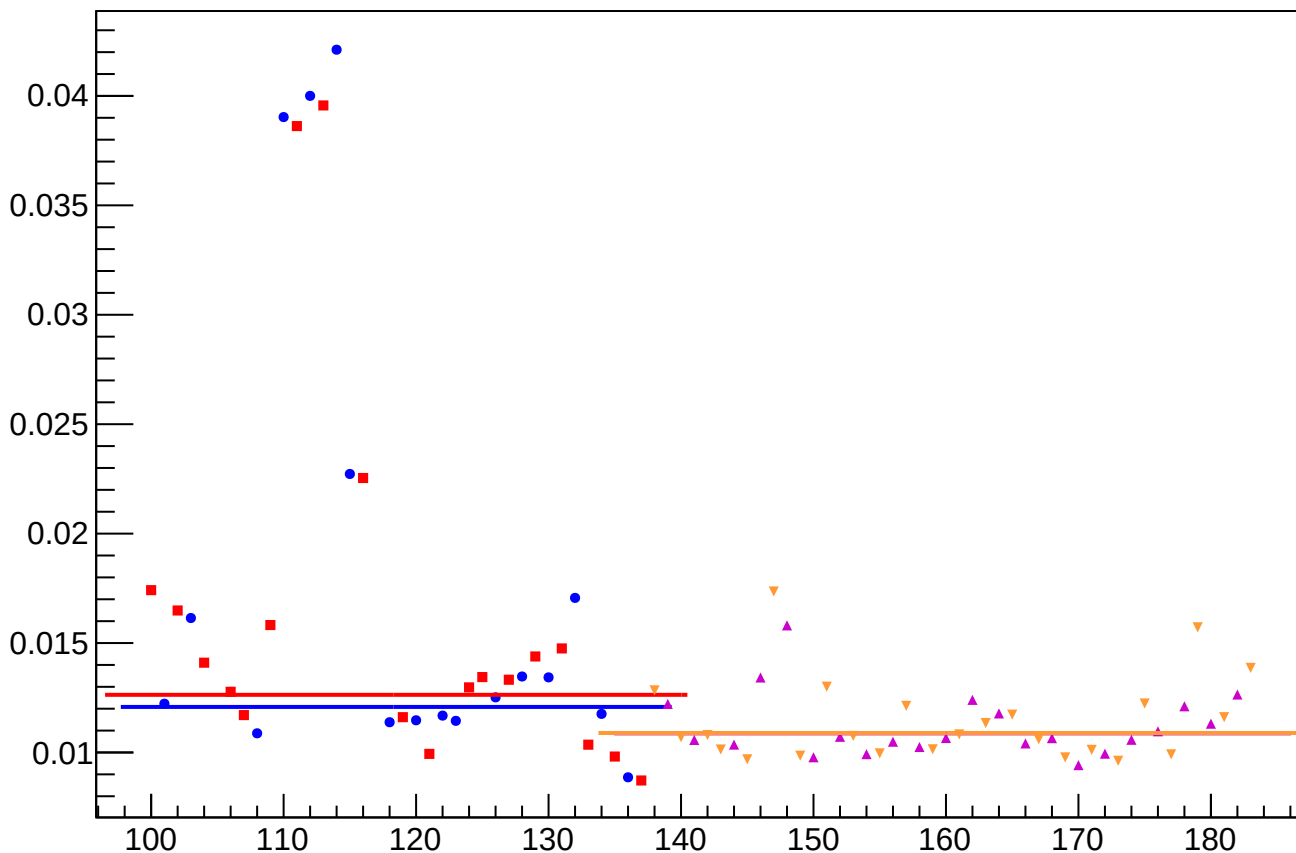
Right: 0.320+/-0.000 χ^2/NDF : 10665529192.9/35

In: 0.112+/-0.000 χ^2/NDF : 6972096230.6/38

Out: 0.117+/-0.000 χ^2/NDF : 7828737123.9/42

All: 0.115+/-0.000 χ^2/NDF : 14803151760.6/80

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1275060.9/16

Left Out: 0.011+/-0.000 χ^2/NDF :595907.3/23

Right Out: 0.013+/-0.000 χ^2/NDF : 1234267.8/18

Left In: 0.011+/-0.000 χ^2/NDF :394135.3/21

Left: 0.011+/-0.000 χ^2/NDF : 990087.6/45

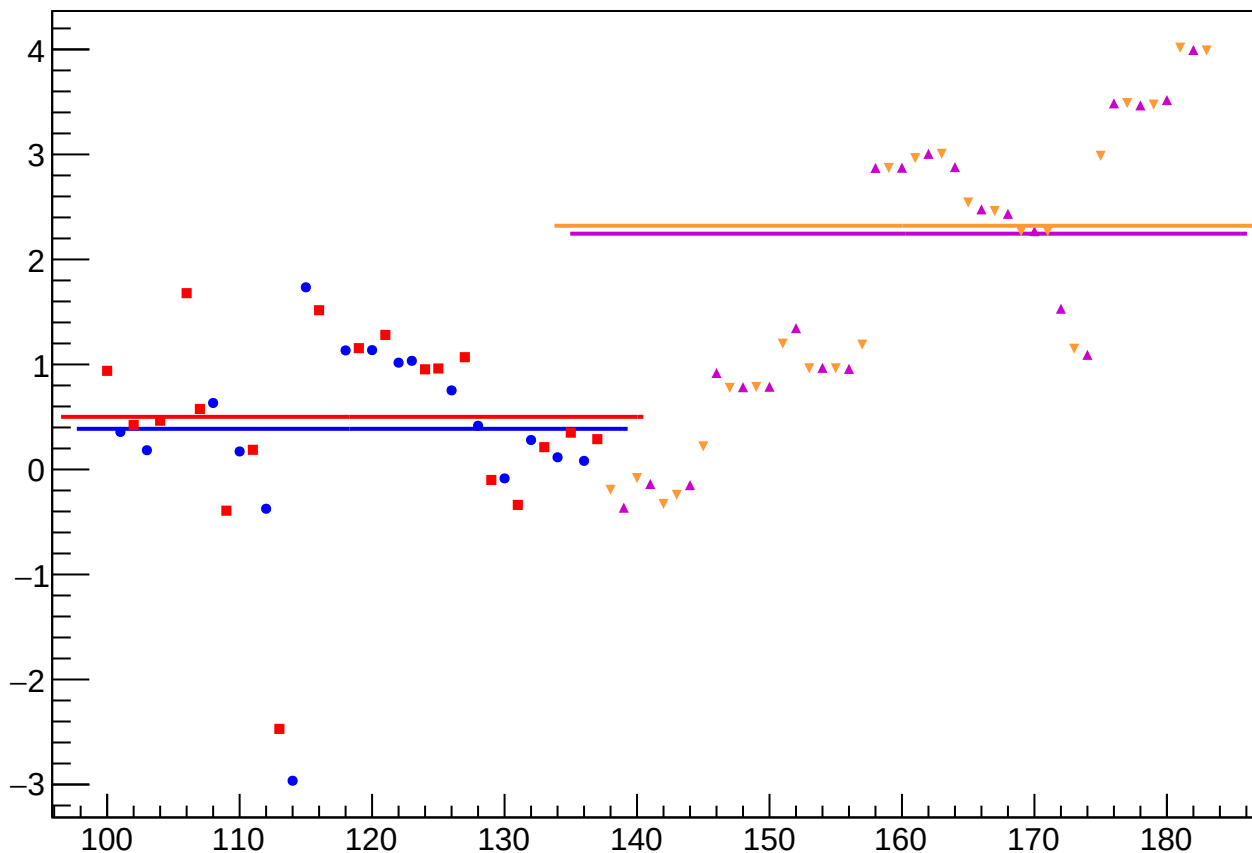
Right: 0.012+/-0.000 χ^2/NDF : 2520814.8/35

In: 0.011+/-0.000 χ^2/NDF :1756673.6/38

Out: 0.011+/-0.000 χ^2/NDF :2007669.4/42

All: 0.011+/-0.000 χ^2/NDF : 3766601.1/81

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387+/-0.000

χ^2/NDF : 243730591.1/16

Left: 2.283+/-0.000 χ^2/NDF : 119691924735.1/45

Right: 0.440+/-0.000 χ^2/NDF : 1237246871.1/35

Left Out: 2.321+/-0.000

χ^2/NDF : 61200024307.0/23

In: 2.184+/-0.000 χ^2/NDF : 64422355998.9/38

Right Out: 0.501+/-0.000

χ^2/NDF : 983060826.6/18

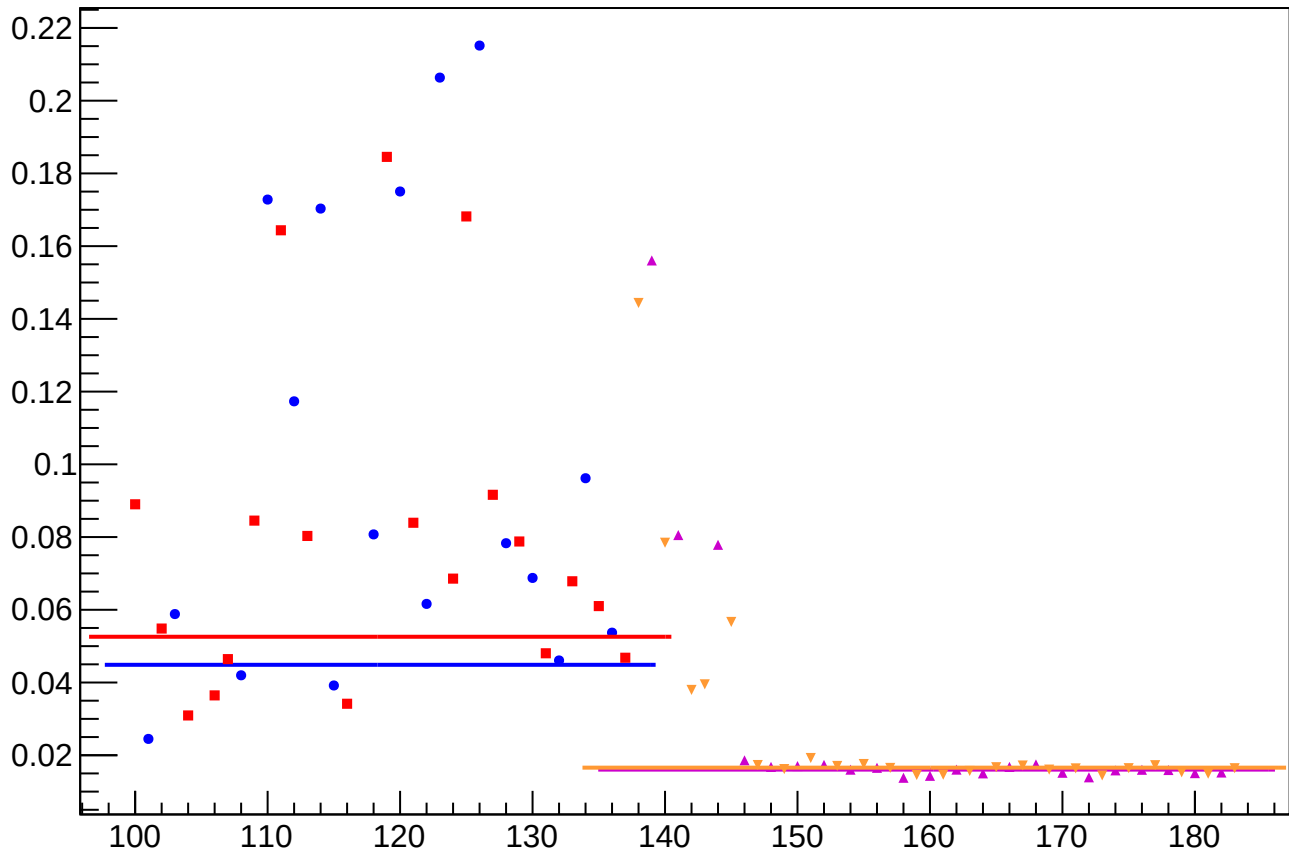
Out: 2.268+/-0.000 χ^2/NDF : 66961716175.1/42

Left In: 2.245+/-0.000

χ^2/NDF : 58347824050.6/21

All: 2.226+/-0.000 χ^2/NDF : 131570487500.2

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2772873.5/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2622725.2/23

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2178932.6/18

Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2462248.1/21

Left: 0.016 $\pm$ 0.000 χ^2 /NDF: 5099744.9/45

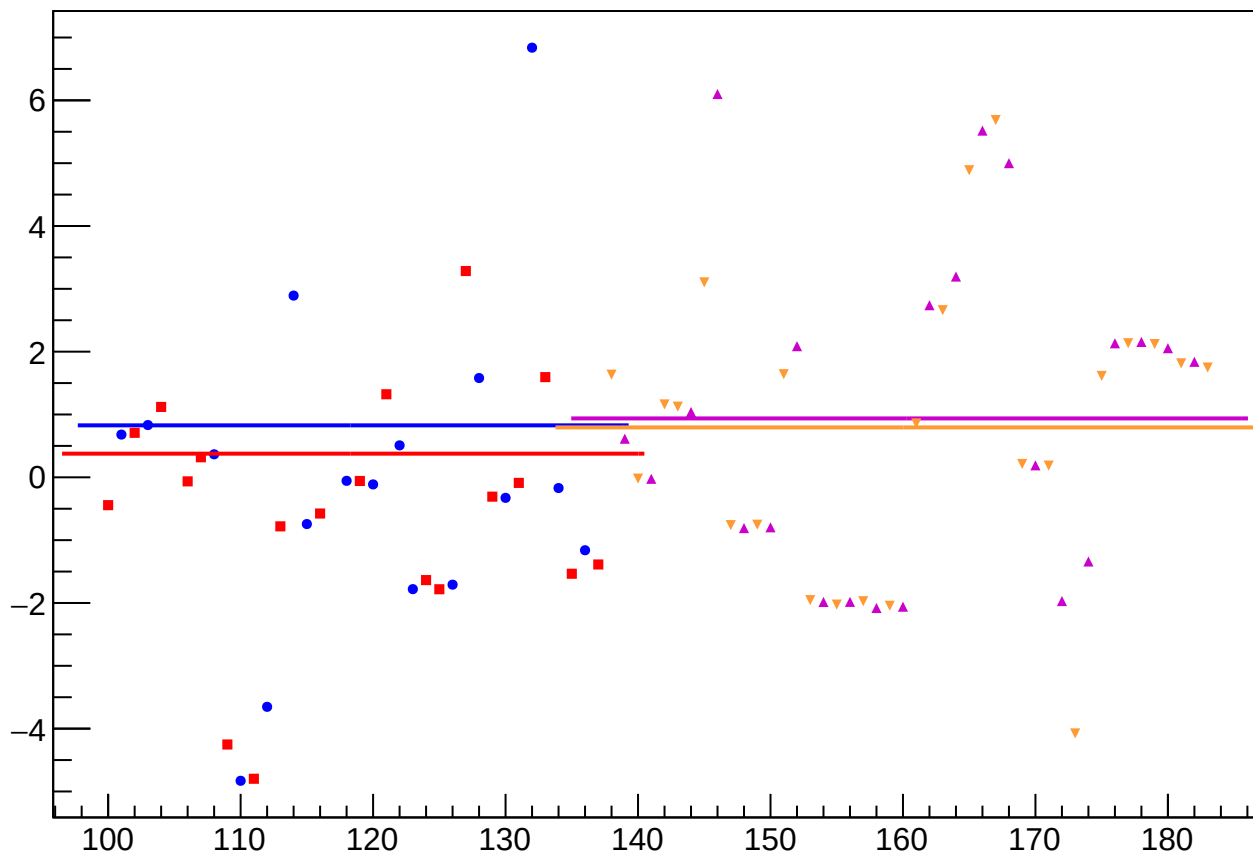
Right: 0.048 $\pm$ 0.000 χ^2 /NDF: 5047373.8/35

In: 0.017 $\pm$ 0.000 χ^2 /NDF:8040190.7/38

Out: 0.018 $\pm$ 0.000 χ^2 /NDF:8542030.0/42

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 16602531.7/81

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827 ± 0.000 $\chi^2/\text{NDF}: 10943374014.3/16$

Left Out: 0.794 ± 0.000 $\chi^2/\text{NDF}: 506337205138.8/23$

Right Out: 0.377 ± 0.000 $\chi^2/\text{NDF}: 4942288775.5/18$

Left In: 0.938 ± 0.000 $\chi^2/\text{NDF}: 573654708847.8/21$

Left: 0.866 ± 0.000 $\chi^2/\text{NDF}: 1080850664372.6/45$

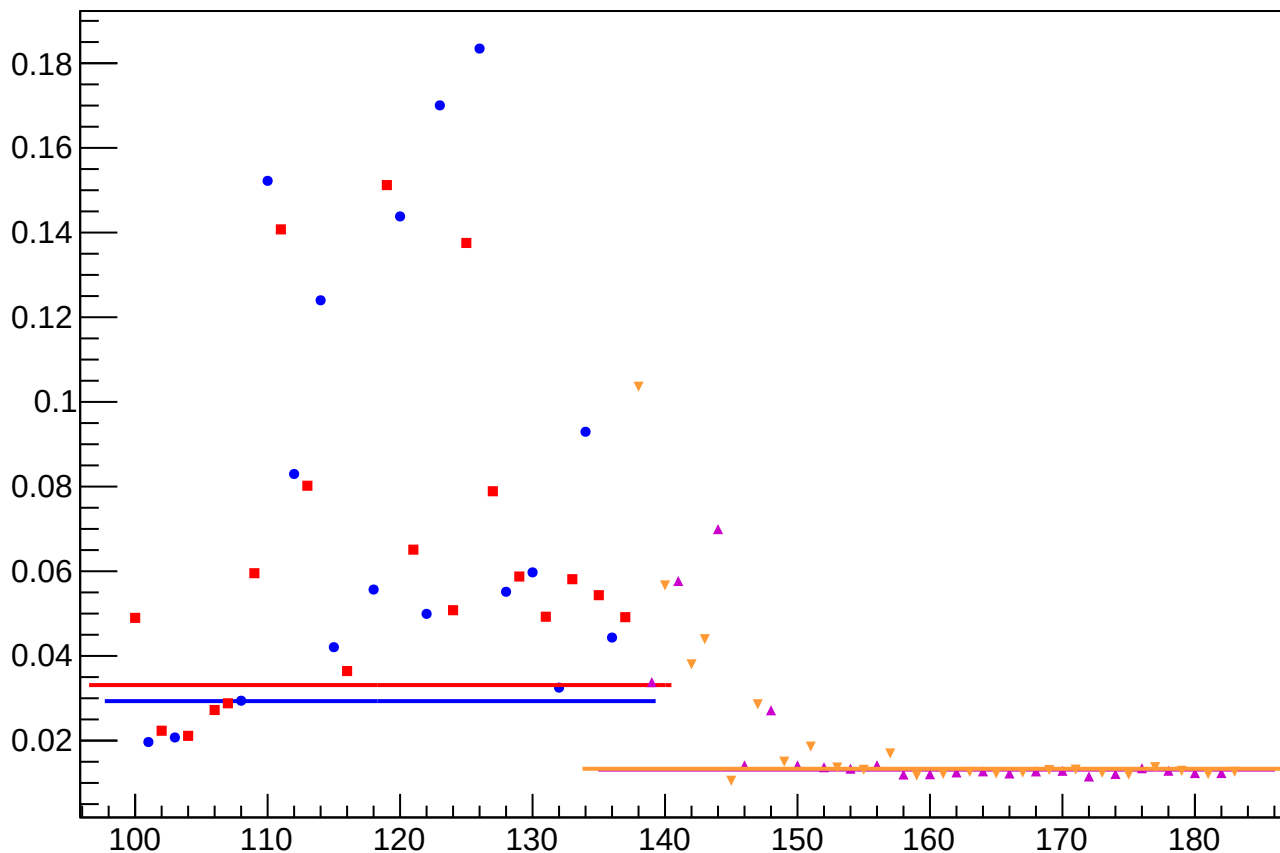
Right: 0.615 ± 0.000 $\chi^2/\text{NDF}: 16261014165.5/35$

In: 0.933 ± 0.000 $\chi^2/\text{NDF}: 584643793753.9/38$

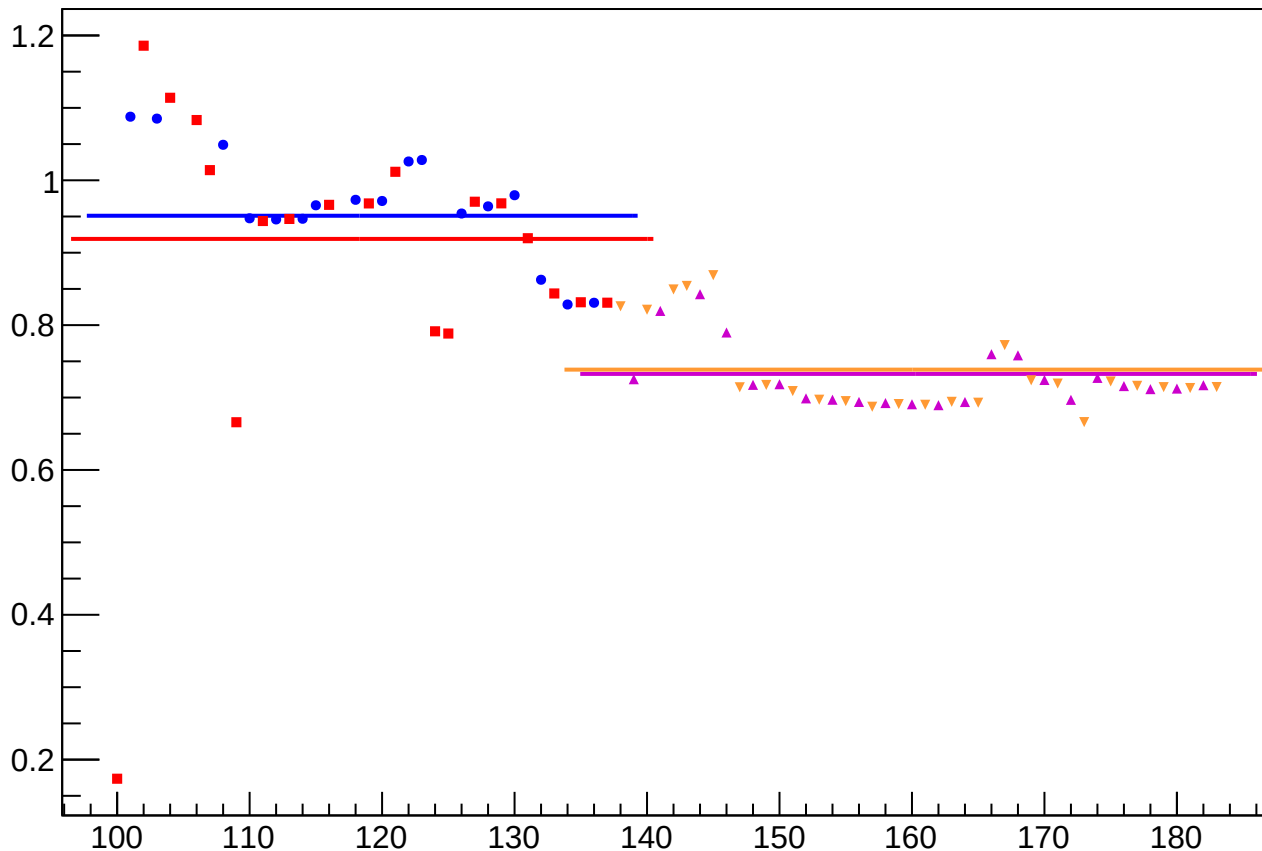
Out: 0.778 ± 0.000 $\chi^2/\text{NDF}: 511864217527.2/42$

All: 0.855 ± 0.000 $\chi^2/\text{NDF}: 1097558650625.$

yield_bpm1Y_rms vs Slug, Sign Corrected



yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.951 $\pm$ 0.000 χ^2 /NDF: 174262904.5/16

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:309878335.0/23

Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374649317.1/18

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170356605.1/21

Left: 0.736 $\pm$ 0.000 χ^2 /NDF: 481676634.7/45

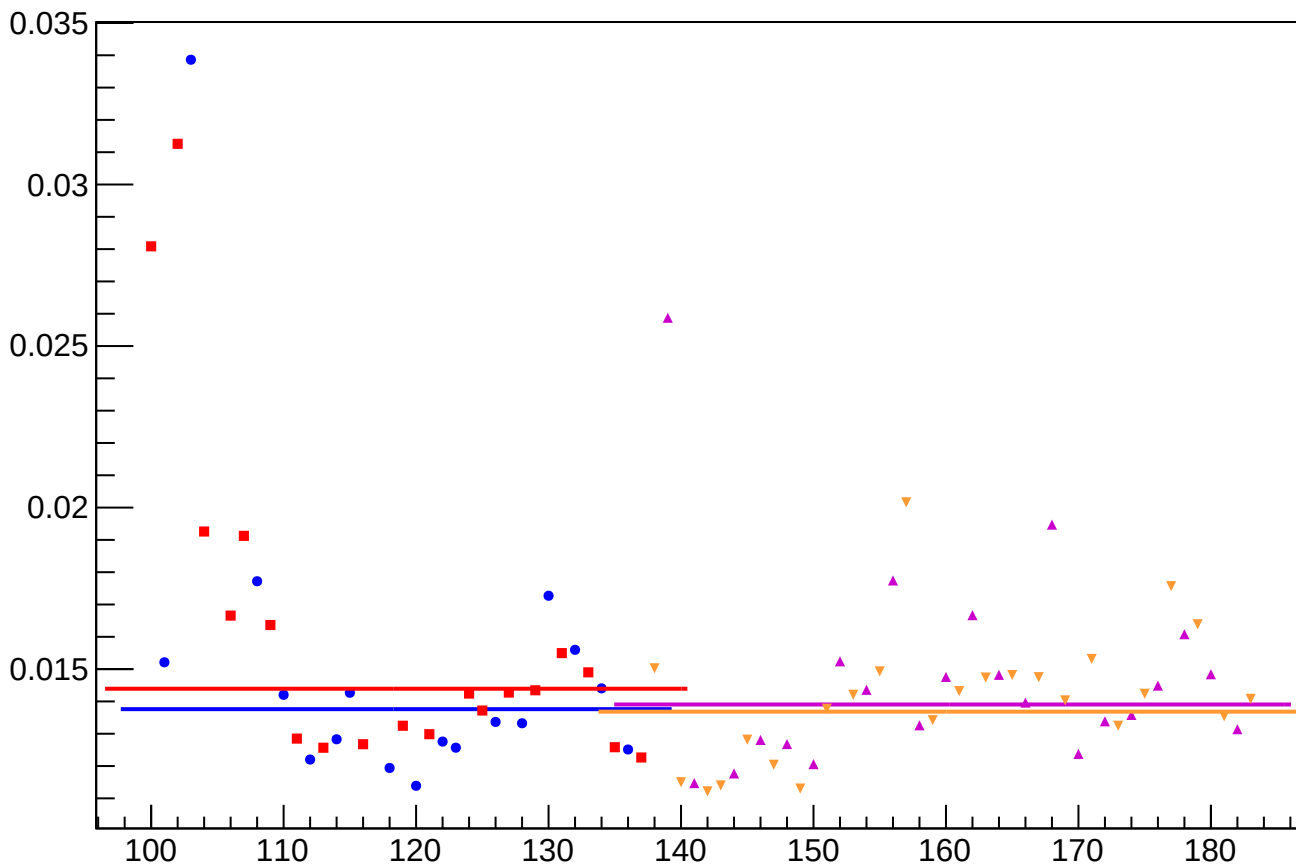
Right: 0.935 $\pm$ 0.000 χ^2 /NDF: 564130452.3/35

In: 0.793 $\pm$ 0.000 χ^2 /NDF:1389603539.3/38

Out: 0.785 $\pm$ 0.000 χ^2 /NDF:1394004898.0/42

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 2787675978.5/81

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 538388.7/16

Left Out: 0.014+/-0.000 χ^2/NDF :527715.4/23

Right Out: 0.014+/-0.000 χ^2/NDF : 504068.1/18

Left In: 0.014+/-0.000 χ^2/NDF :794039.6/21

Left: 0.014+/-0.000 χ^2/NDF : 1325827.3/45

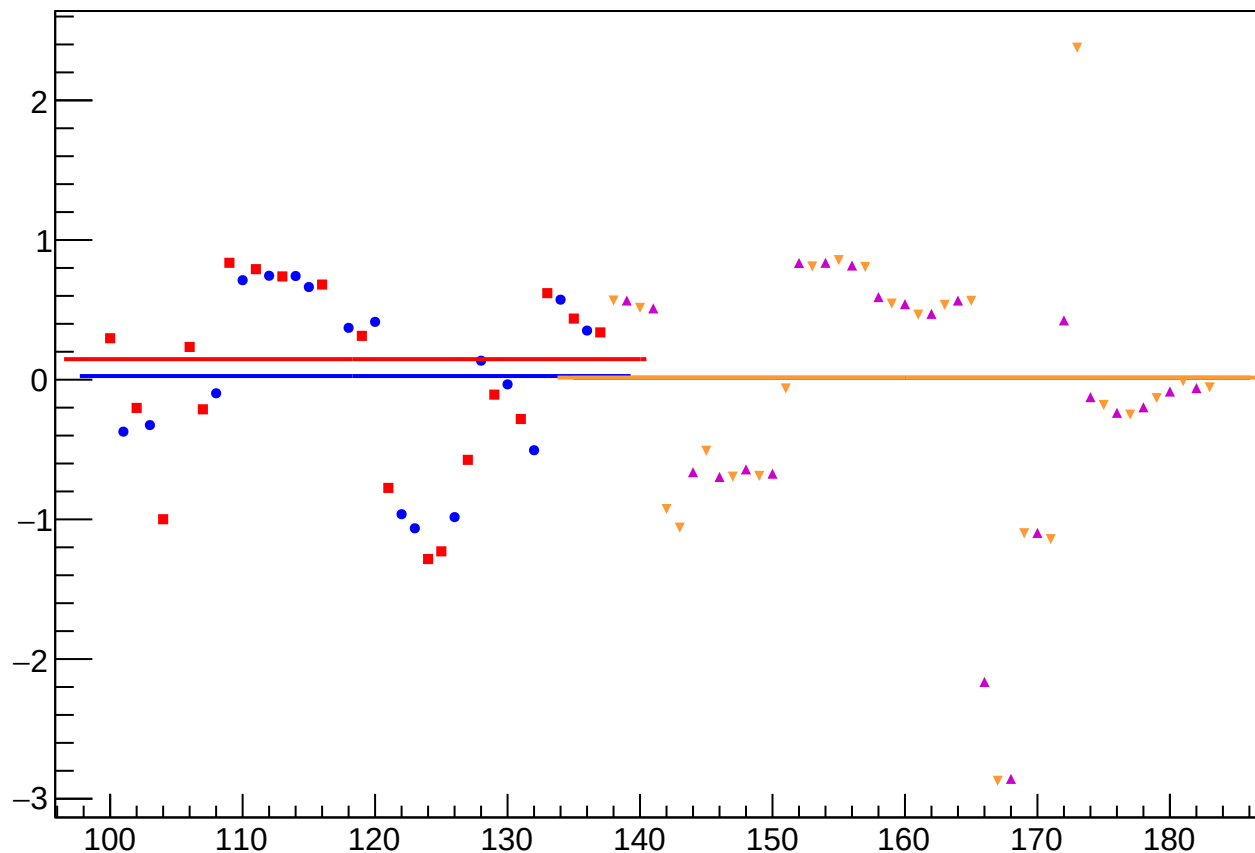
Right: 0.014+/-0.000 χ^2/NDF : 1054350.5/35

In: 0.014+/-0.000 χ^2/NDF :1333348.6/38

Out: 0.014+/-0.000 χ^2/NDF :1053738.1/42

All: 0.014+/-0.000 χ^2/NDF : 2387087.0/81

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 6307097032.6/16

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96086271567.6/23

Right Out: 0.147 $\pm$ 0.000 χ^2 /NDF: 12778628282.5/18

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 79439744314.3/21

Left: 0.015 $\pm$ 0.000 χ^2 /NDF: 175526096351.4/45

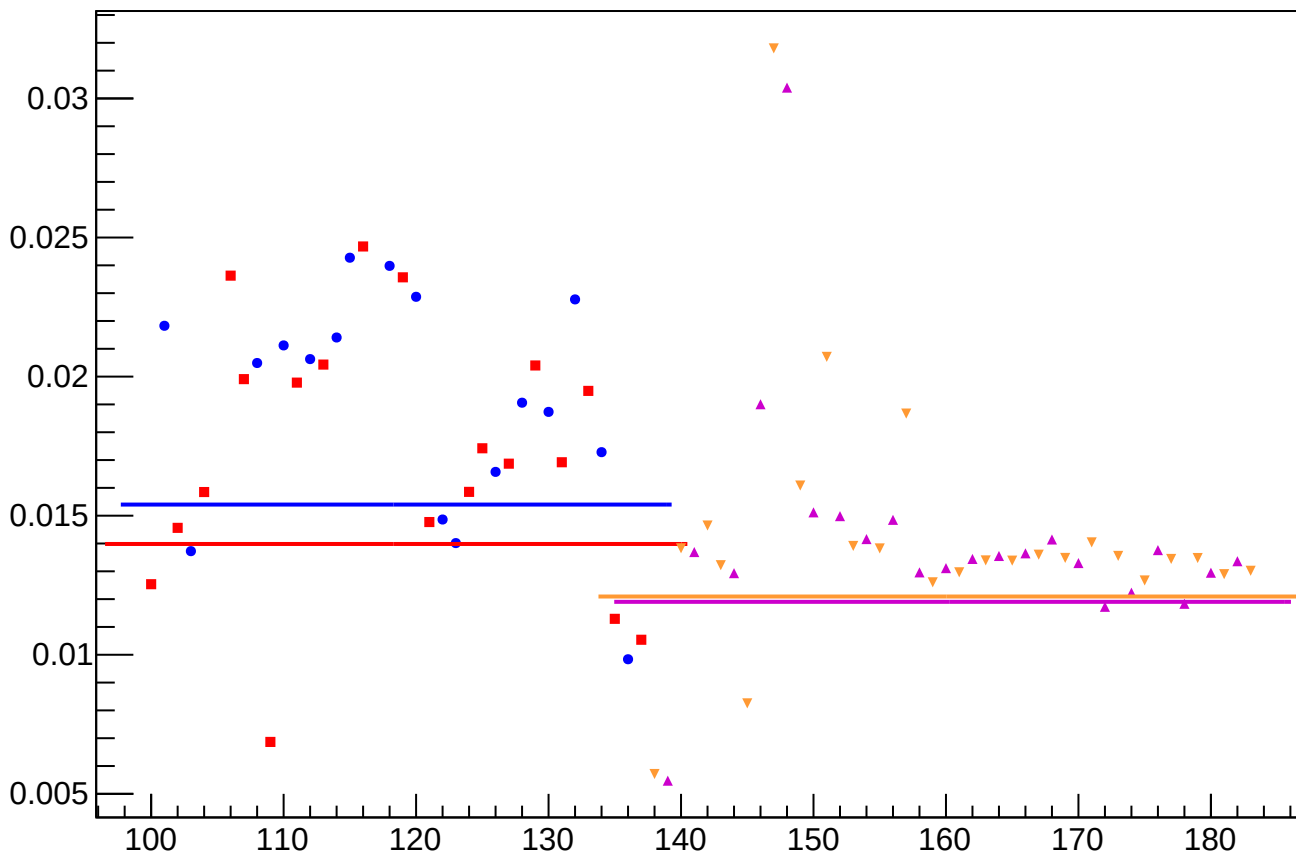
Right: 0.092 $\pm$ 0.000 χ^2 /NDF: 19274169233.1/35

In: 0.016 $\pm$ 0.000 χ^2 /NDF: 85749726829.0/38

Out: 0.043 $\pm$ 0.000 χ^2 /NDF: 109257757726.6/42

All: 0.030 $\pm$ 0.000 χ^2 /NDF: 195054087354.6

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1140025.0/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3101386.7/23

Right Out: 0.014+/-0.000 χ^2/NDF : 1557209.7/18

Left In: 0.012+/-0.000 χ^2/NDF : 3098984.6/21

Left: 0.012+/-0.000 χ^2/NDF : 6204263.2/45

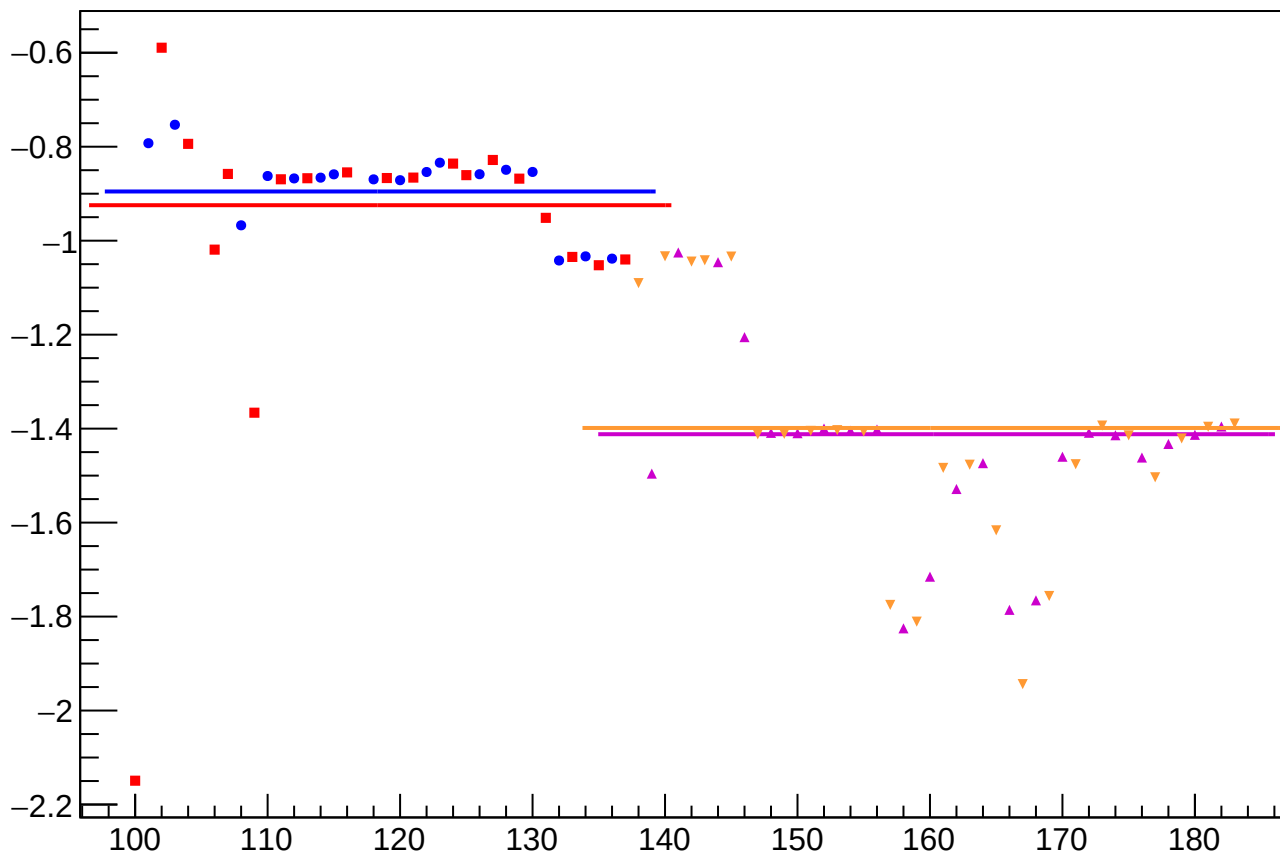
Right: 0.015+/-0.000 χ^2/NDF : 2749005.6/35

In: 0.013+/-0.000 χ^2/NDF : 4708897.8/38

Out: 0.012+/-0.000 χ^2/NDF : 4819657.1/42

All: 0.013+/-0.000 χ^2/NDF : 9528955.2/81

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.895 ± 0.000 $\chi^2/\text{NDF}: 37924701.6/16$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 734561871.7/23$

Right Out: -0.925 ± 0.000 $\chi^2/\text{NDF}: 128433305.9/18$

Left In: -1.412 ± 0.000 $\chi^2/\text{NDF}: 512528426.4/21$

Left: -1.405 ± 0.000 $\chi^2/\text{NDF}: 1248173723.5/45$

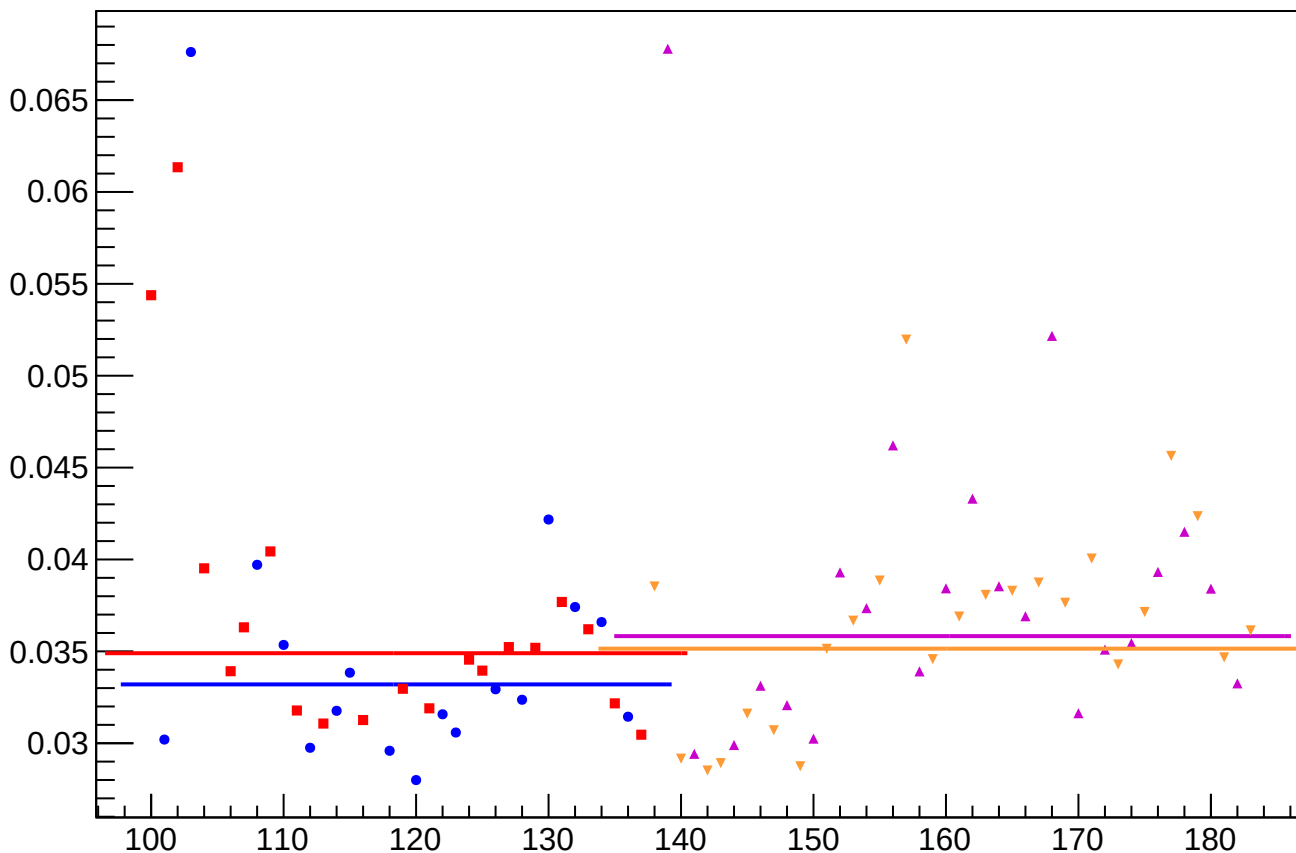
Right: -0.910 ± 0.000 $\chi^2/\text{NDF}: 168551871.0/35$

In: -1.253 ± 0.000 $\chi^2/\text{NDF}: 1520432977.6/38$

Out: -1.265 ± 0.000 $\chi^2/\text{NDF}: 1675166733.0/42$

All: -1.259 ± 0.000 $\chi^2/\text{NDF}: 3196951929.2/8$

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 399489.1/16

Left Out: 0.035+/-0.000 χ^2/NDF : 595489.7/23

Right Out: 0.035+/-0.000 χ^2/NDF : 275503.7/18

Left In: 0.036+/-0.000 χ^2/NDF : 890897.3/21

Left: 0.035+/-0.000 χ^2/NDF : 1492114.6/45

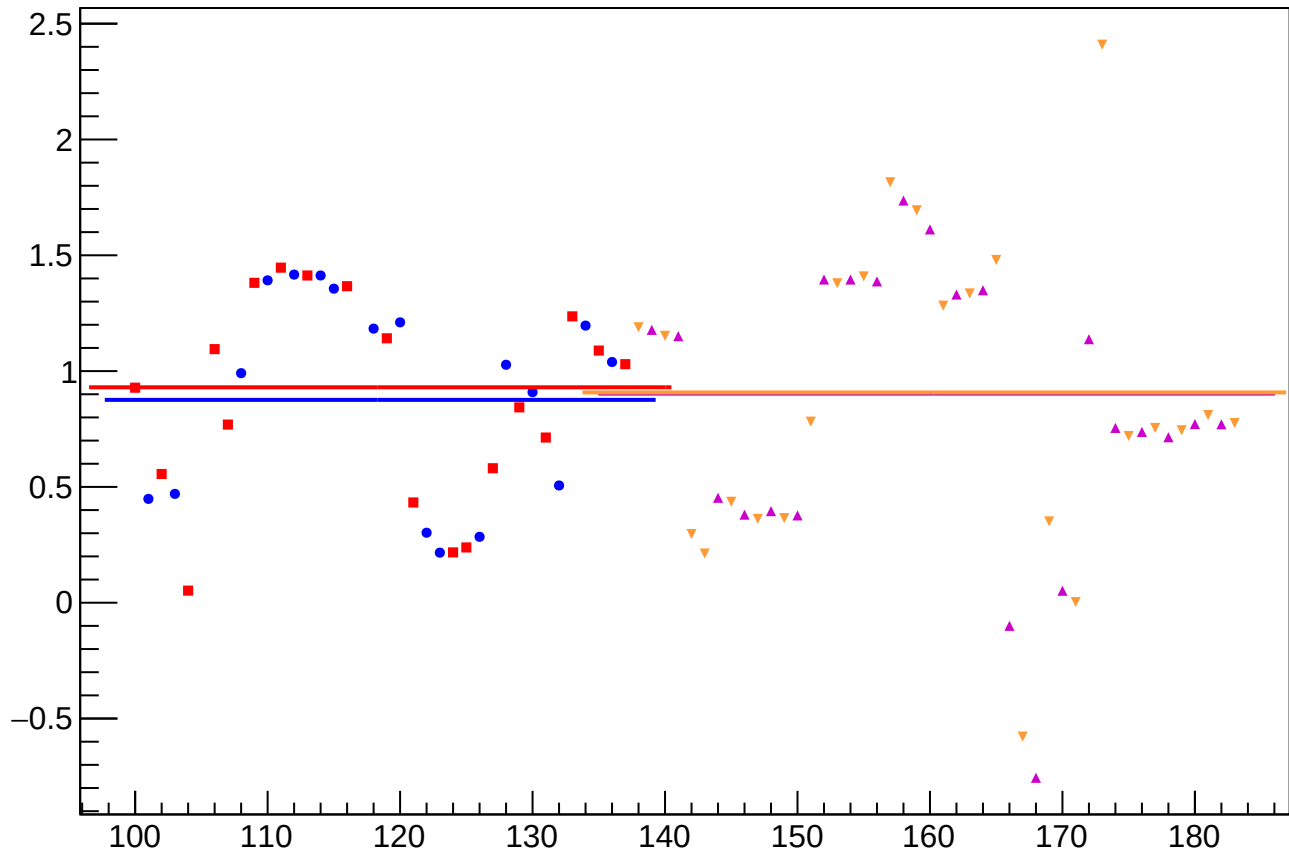
Right: 0.034+/-0.000 χ^2/NDF : 689800.6/35

In: 0.035+/-0.000 χ^2/NDF : 1340560.2/38

Out: 0.035+/-0.000 χ^2/NDF : 871434.7/42

All: 0.035+/-0.000 χ^2/NDF : 2212053.0/81

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.876 $\pm$ 0.000 χ^2/NDF : 6459481069.8/16

Left Out: 0.908 $\pm$ 0.000 χ^2/NDF :84072674670.7/23

Right Out: 0.930 $\pm$ 0.000 χ^2/NDF : 9956405982.6/18

Left In: 0.903 $\pm$ 0.000 χ^2/NDF :66879161750.9/21

Left: 0.905 $\pm$ 0.000 χ^2/NDF : 150954646911.3/45

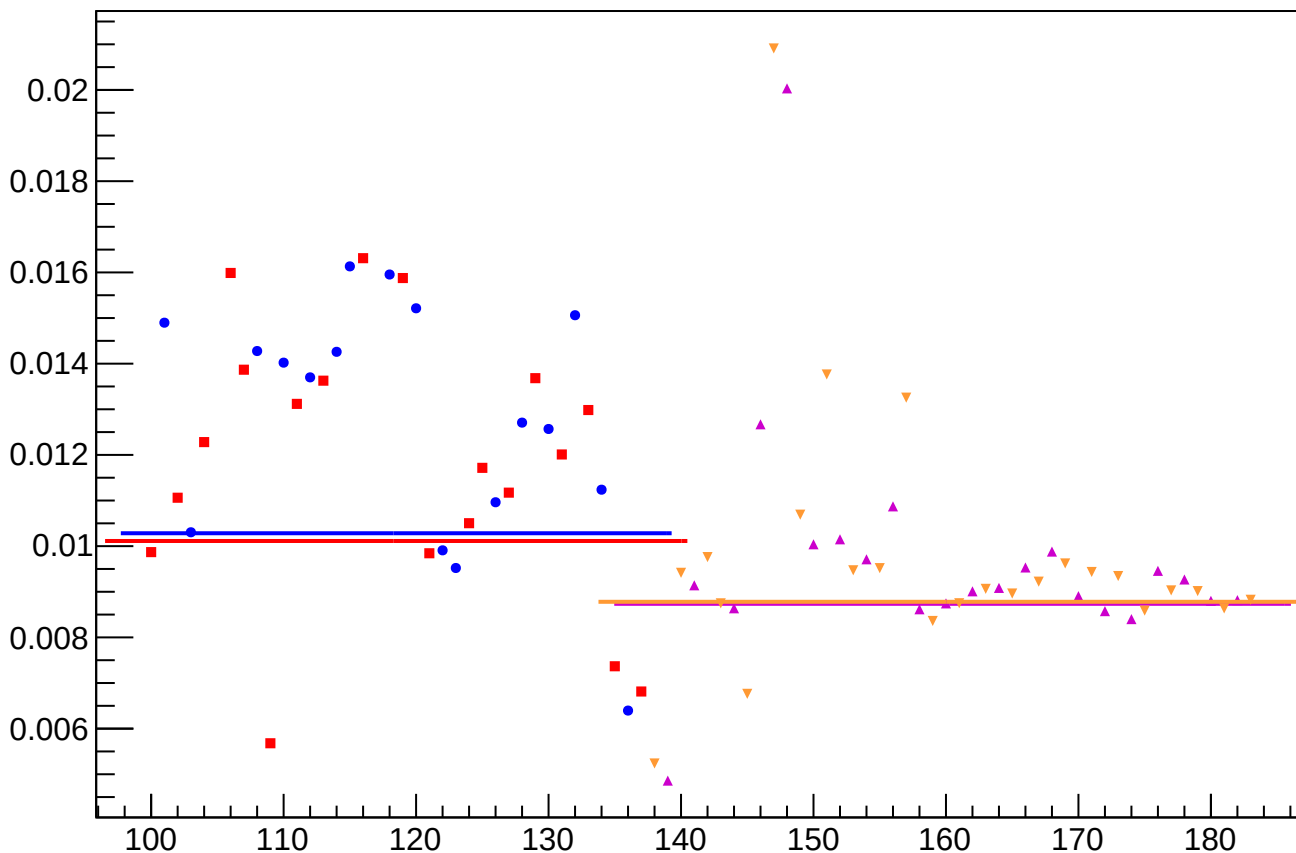
Right: 0.904 $\pm$ 0.000 χ^2/NDF : 16496180845.3/35

In: 0.897 $\pm$ 0.000 χ^2/NDF :73368768374.5/38

Out: 0.913 $\pm$ 0.000 χ^2/NDF :94051291992.9/42

All: 0.905 $\pm$ 0.000 χ^2/NDF : 167450969618.7

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1205873.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1698020.1/23

Right Out: 0.010+/-0.000 χ^2/NDF : 1173455.7/18

Left In: 0.009+/-0.000 χ^2/NDF : 1669983.7/21

Left: 0.009+/-0.000 χ^2/NDF : 3368418.3/45

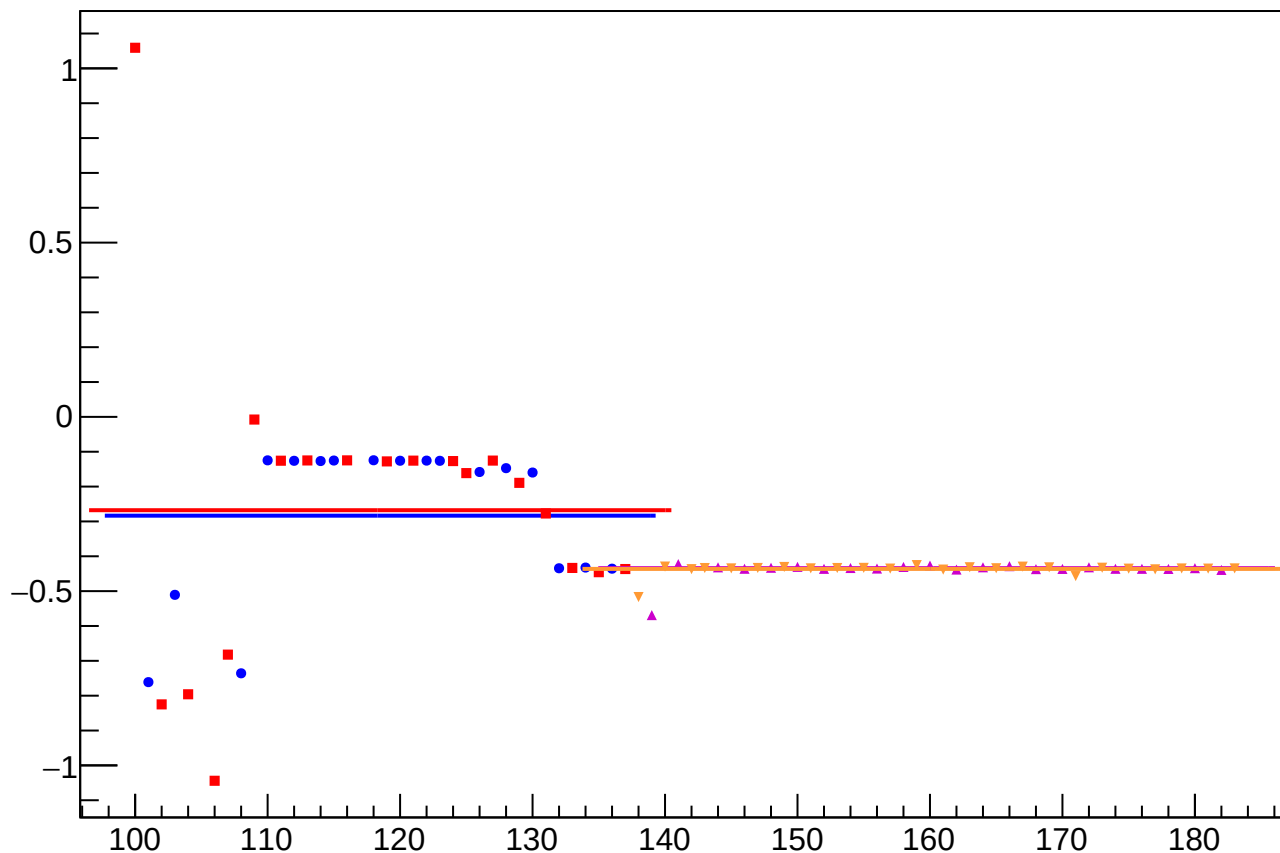
Right: 0.010+/-0.000 χ^2/NDF : 2380897.7/35

In: 0.009+/-0.000 χ^2/NDF : 3075194.2/38

Out: 0.009+/-0.000 χ^2/NDF : 3031462.8/42

All: 0.009+/-0.000 χ^2/NDF : 6106669.3/81

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.283+/-0.000 χ^2/NDF : 894148140.5/16

Left Out: -0.436+/-0.000 χ^2/NDF : 28776378.0/23

Right Out: -0.268+/-0.000 χ^2/NDF : 965641428.6/18

Left In: -0.434+/-0.000 χ^2/NDF : 20161259.3/21

Left: -0.435+/-0.000 χ^2/NDF : 49317261.0/45

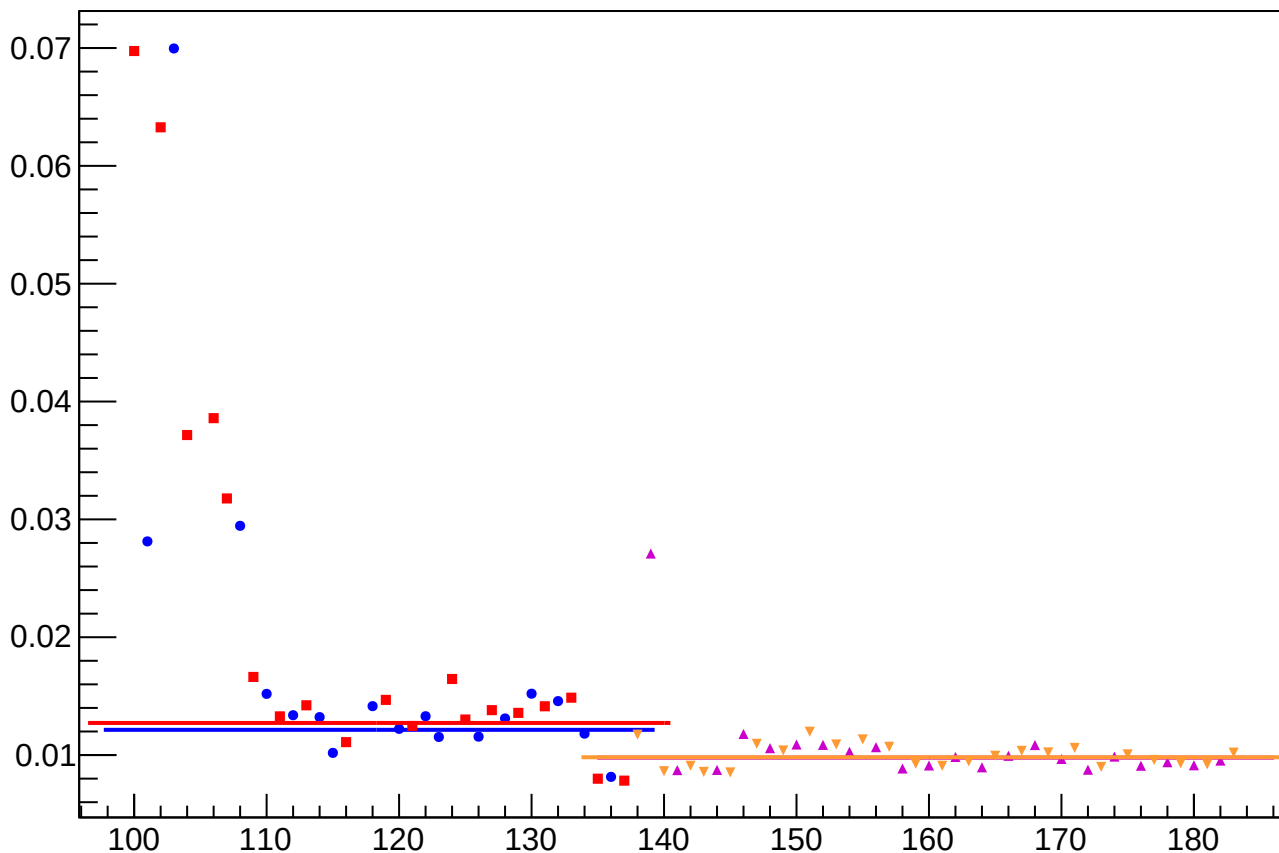
Right: -0.276+/-0.000 χ^2/NDF : 1863547180.1/35

In: -0.408+/-0.000 χ^2/NDF : 1504705653.0/38

Out: -0.410+/-0.000 χ^2/NDF : 1706040988.7/42

All: -0.409+/-0.000 χ^2/NDF : 3211079452.6/8

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1720286.9/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:271104.1/23

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1968271.3/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:785786.0/21

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 1057071.6/45

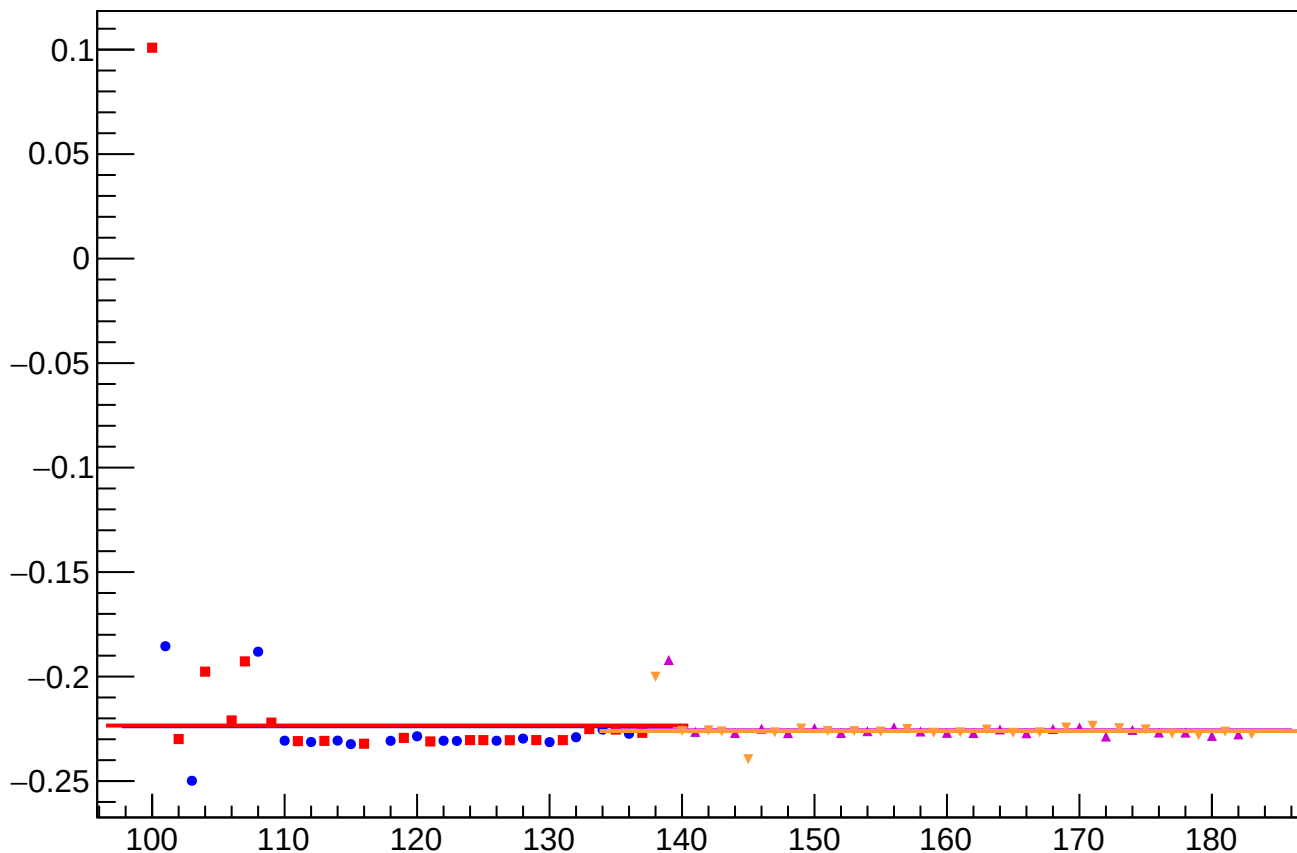
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3699016.9/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:2796672.9/38

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:2664854.8/42

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5462761.7/81

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74201194.4/16

Left Out: -0.226+/-0.000 χ^2/NDF : 21176650.7/23

Right Out: -0.223+/-0.000 χ^2/NDF : 167794506.7/18

Left In: -0.226+/-0.000 χ^2/NDF : 13716121.8/21

Left: -0.226+/-0.000 χ^2/NDF : 34925840.3/45

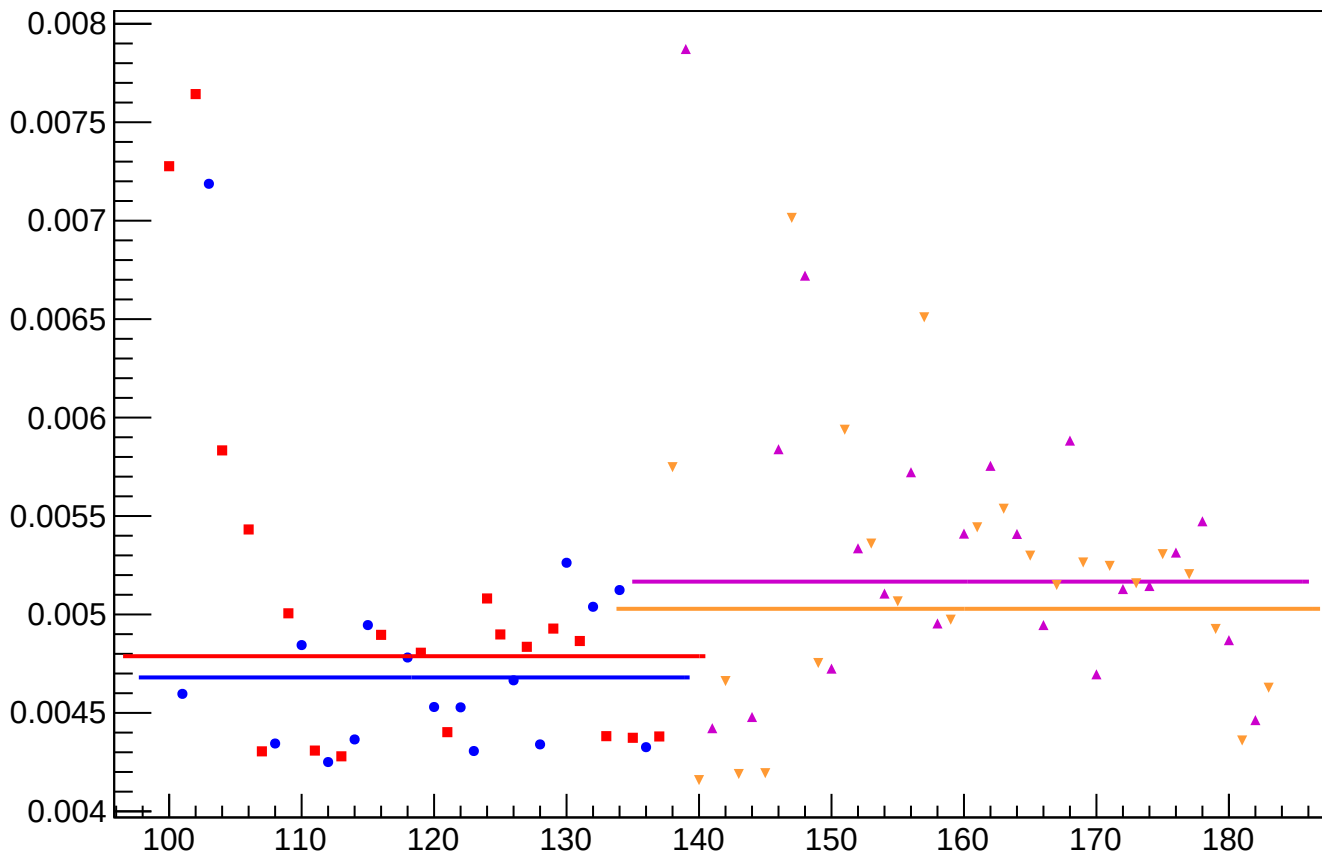
Right: -0.224+/-0.000 χ^2/NDF : 242009294.1/35

In: -0.225+/-0.000 χ^2/NDF : 88645172.2/38

Out: -0.225+/-0.000 χ^2/NDF : 190306012.5/42

All: -0.225+/-0.000 χ^2/NDF : 278964713.6/81

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180080.7/16

Left Out: 0.005+/-0.000 χ^2/NDF : 520950.5/23

Right Out: 0.005+/-0.000 χ^2/NDF : 248599.9/18

Left In: 0.005+/-0.000 χ^2/NDF : 487749.7/21

Left: 0.005+/-0.000 χ^2/NDF : 1020835.1/45

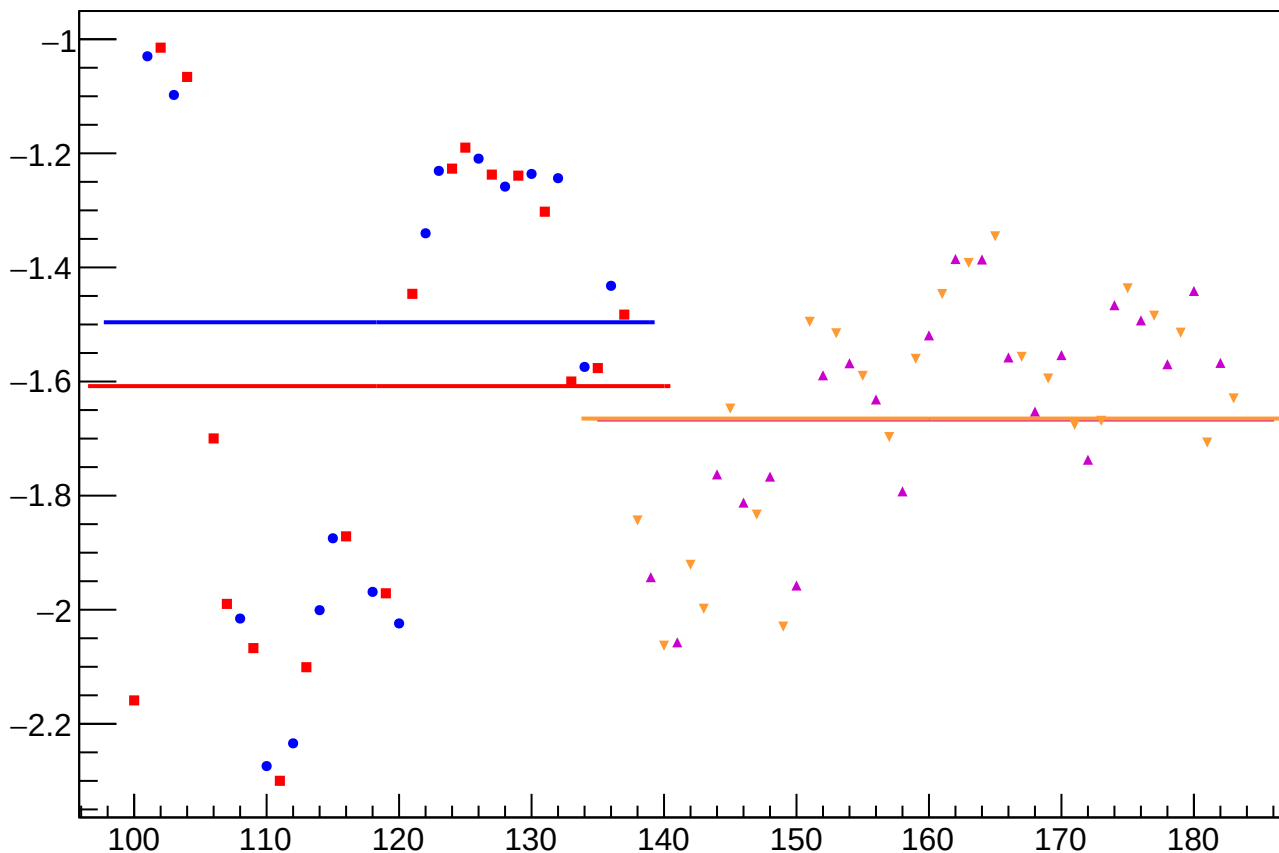
Right: 0.005+/-0.000 χ^2/NDF : 431873.8/35

In: 0.005+/-0.000 χ^2/NDF : 756707.8/38

Out: 0.005+/-0.000 χ^2/NDF : 792342.2/42

All: 0.005+/-0.000 χ^2/NDF : 1552047.9/81

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22454192322.7/16

Left Out: -1.665+/-0.000 χ^2/NDF : 18342959779.1/23

Right Out: -1.608+/-0.000 χ^2/NDF : 27842216222.3/18

Left In: -1.667+/-0.000 χ^2/NDF : 14611625673.6/21

Left: -1.666+/-0.000 χ^2/NDF : 32955170500.3/45

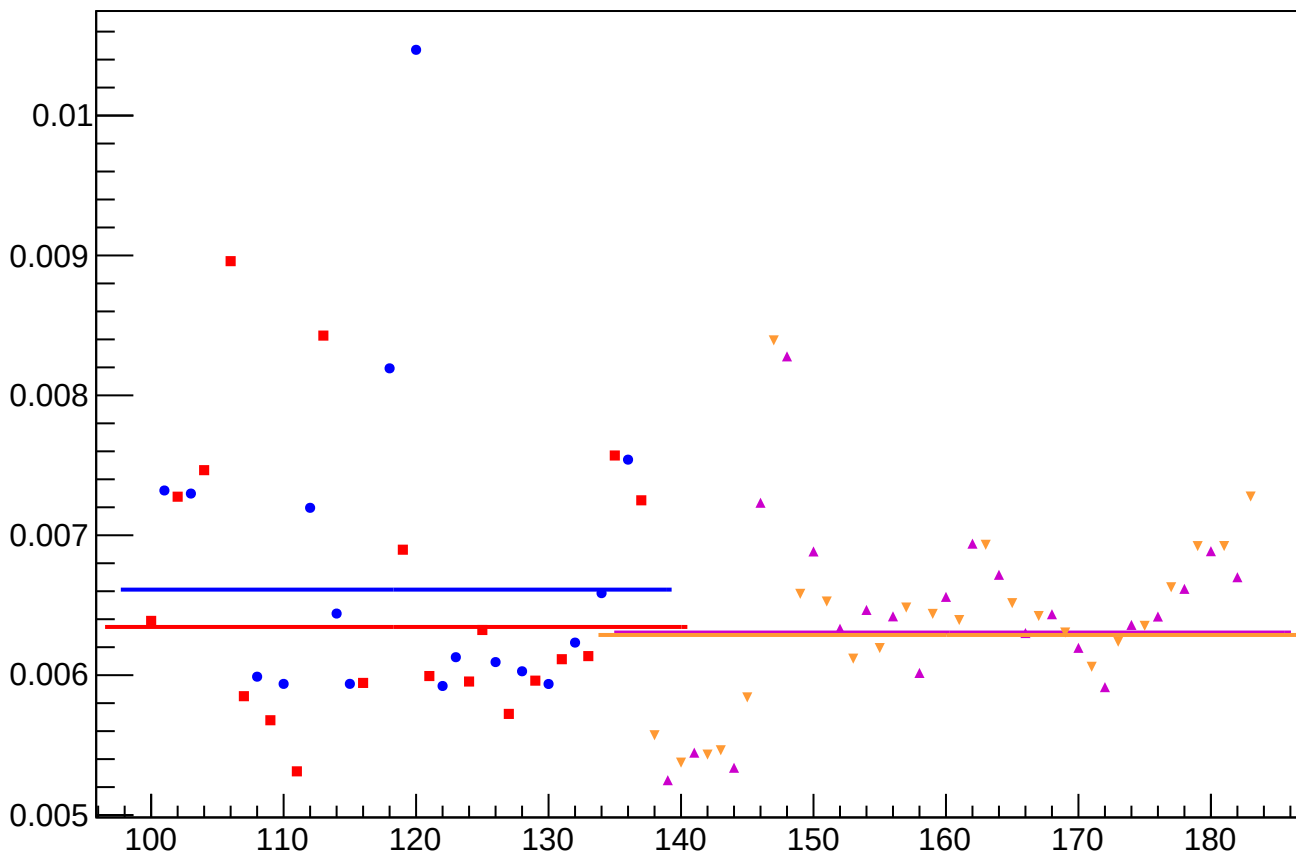
Right: -1.557+/-0.000 χ^2/NDF : 51233549313.5/35

In: -1.624+/-0.000 χ^2/NDF : 40065933791.0/38

Out: -1.649+/-0.000 χ^2/NDF : 46569656580.7/42

All: -1.637+/-0.000 χ^2/NDF : 86828107749.7/77

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 199824.5/16

Left Out: 0.006+/-0.000 χ^2/NDF :299611.2/23

Right Out: 0.006+/-0.000 χ^2/NDF : 228249.0/18

Left In: 0.006+/-0.000 χ^2/NDF :320522.9/21

Left: 0.006+/-0.000 χ^2/NDF : 620260.4/45

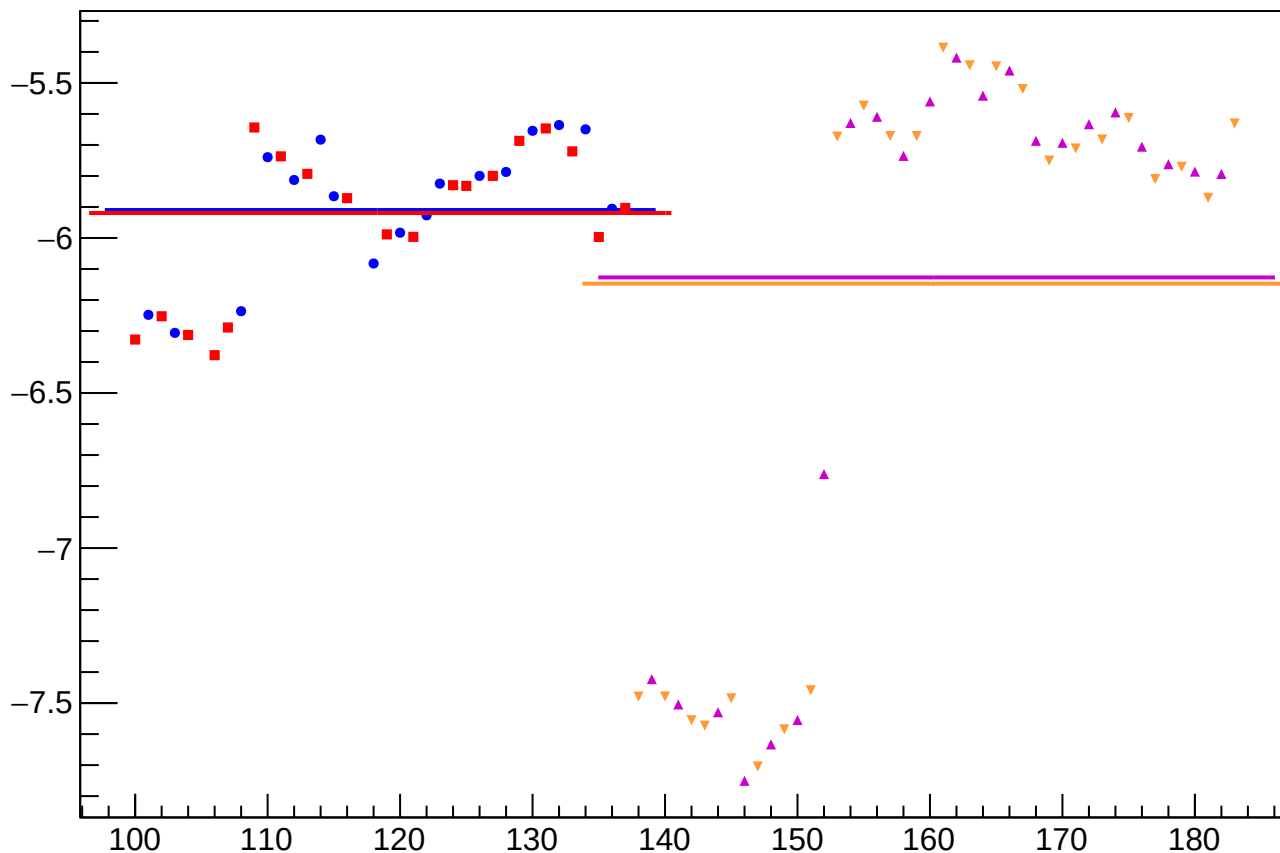
Right: 0.006+/-0.000 χ^2/NDF : 438730.8/35

In: 0.006+/-0.000 χ^2/NDF :539783.7/38

Out: 0.006+/-0.000 χ^2/NDF :528638.2/42

All: 0.006+/-0.000 χ^2/NDF : 1072016.2/81

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000 χ^2/NDF : 11105112836.5/16

Left Out: -6.147+/-0.000 χ^2/NDF : 185179538613.6/23

Right Out: -5.919+/-0.000 χ^2/NDF : 12816906660.3/18

Left In: -6.127+/-0.000 χ^2/NDF : 159281479128.3/21

Left: -6.138+/-0.000 χ^2/NDF : 344511738434.7/45

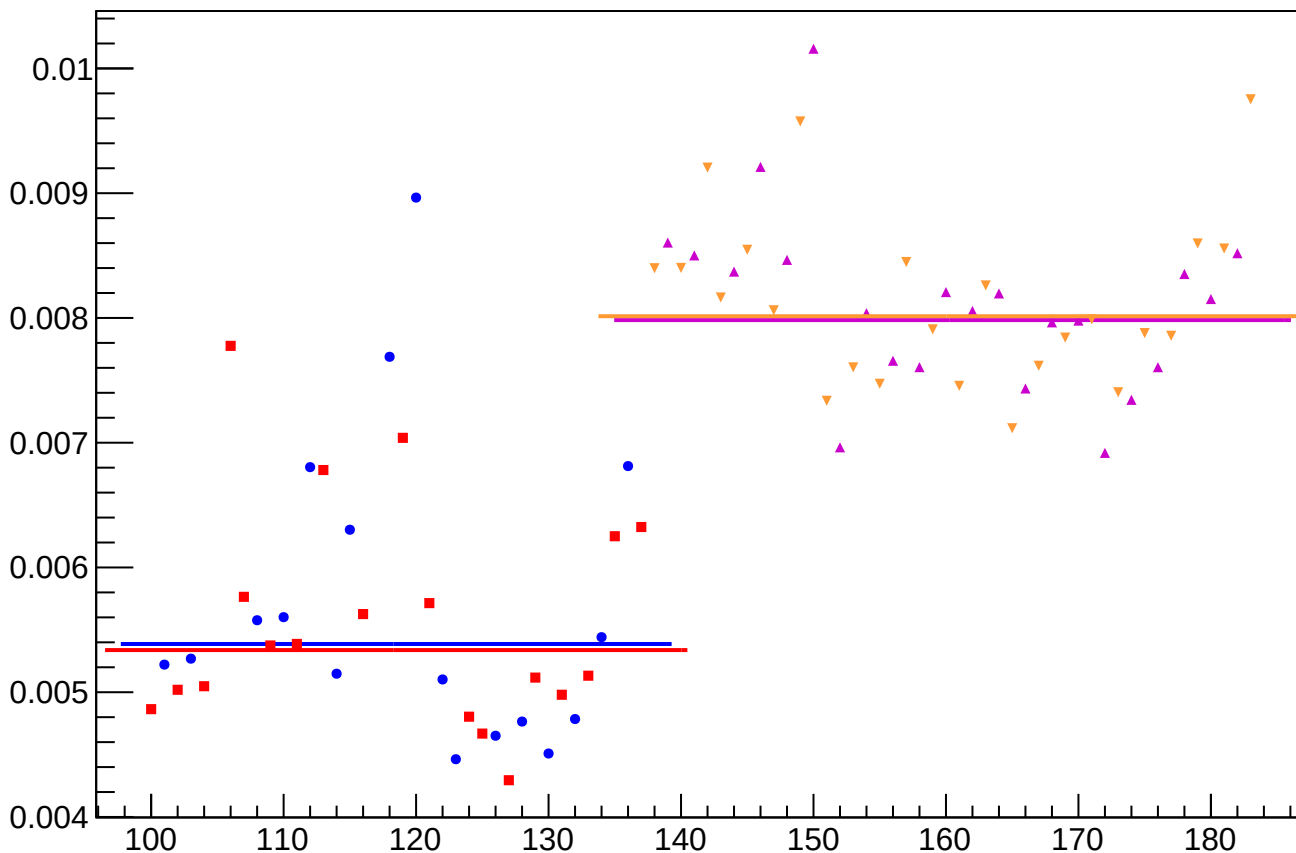
Right: -5.915+/-0.000 χ^2/NDF : 23931726367.2/35

In: -6.029+/-0.000 χ^2/NDF : 175616497964.6/38

Out: -6.041+/-0.000 χ^2/NDF : 204180979103.1/42

All: -6.036+/-0.000 χ^2/NDF : 379829516336.0/86

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 346475.5/16

Left Out: 0.008+/-0.000 χ^2/NDF :178287.5/23

Right Out: 0.005+/-0.000 χ^2/NDF : 246912.5/18

Left In: 0.008+/-0.000 χ^2/NDF :213083.1/21

Left: 0.008+/-0.000 χ^2/NDF : 391613.2/45

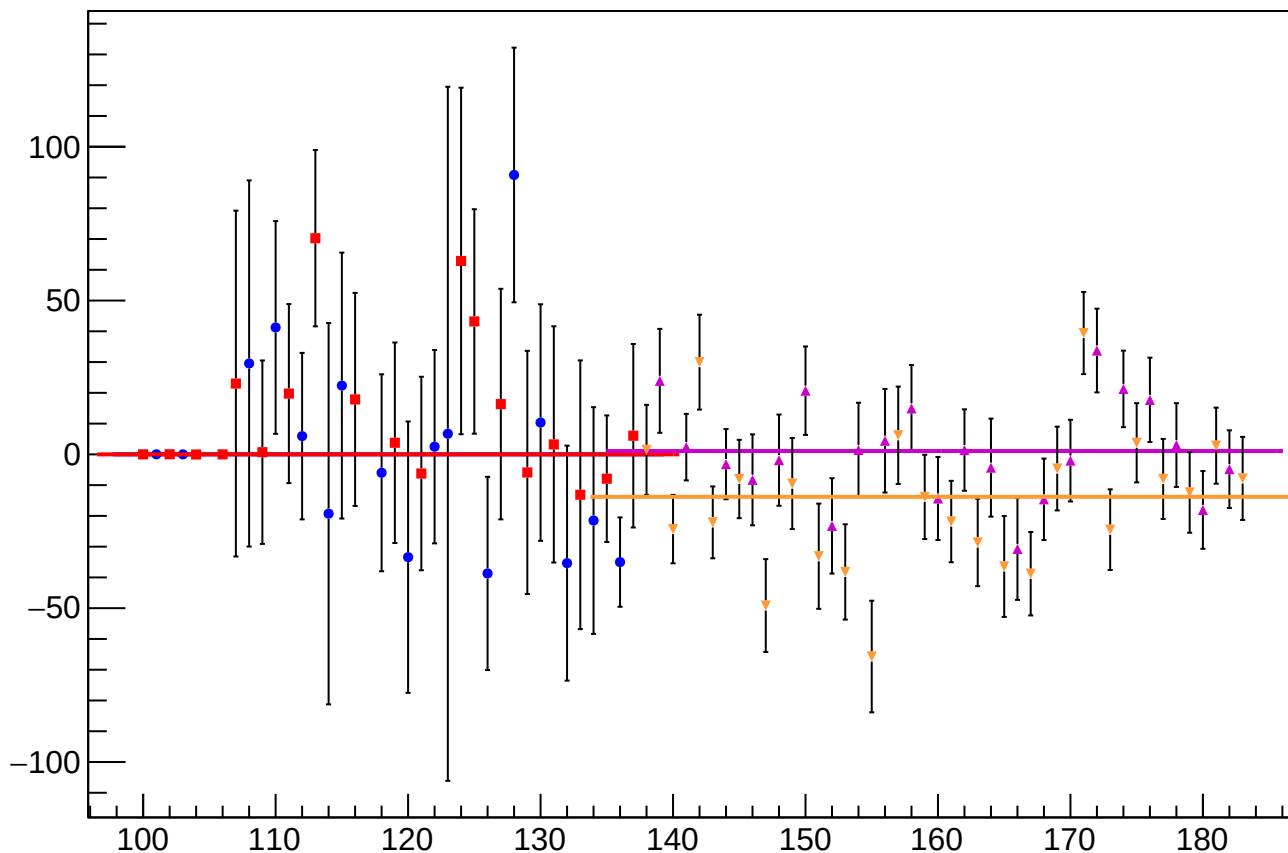
Right: 0.005+/-0.000 χ^2/NDF : 593891.3/35

In: 0.007+/-0.000 χ^2/NDF :2051961.7/38

Out: 0.007+/-0.000 χ^2/NDF :2130899.5/42

All: 0.007+/-0.000 χ^2/NDF : 4183888.3/81

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 16.3/16$

Left Out: -13.791 ± 2.820 $\chi^2/\text{NDF}: 57.7/23$

Right Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 14.9/18$

Left In: 1.084 ± 2.936 $\chi^2/\text{NDF}: 26.7/21$

Left: -6.654 ± 2.034 $\chi^2/\text{NDF}: 97.8/45$

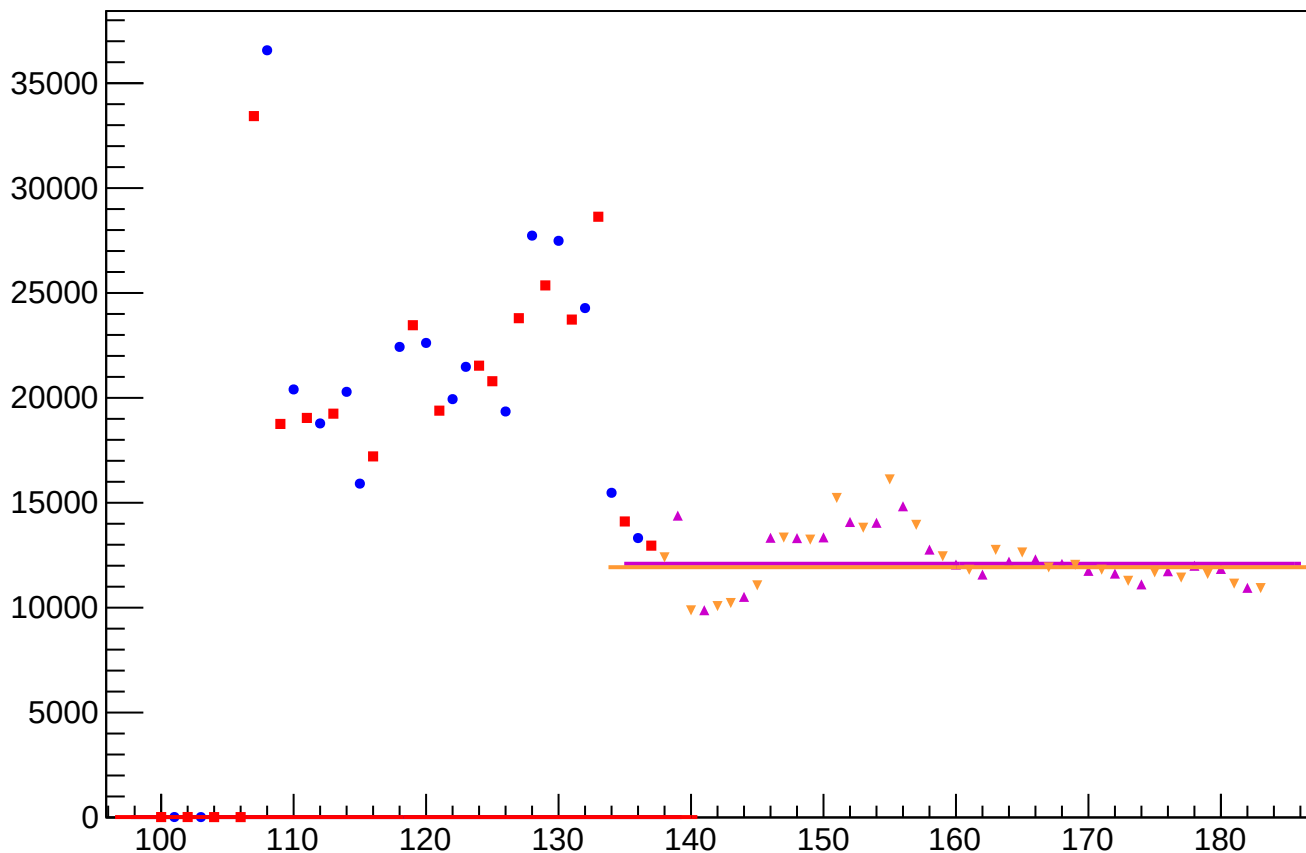
Right: 0.004 ± 0.012 $\chi^2/\text{NDF}: 31.7/35$

In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 43.1/38$

Out: -0.004 ± 0.016 $\chi^2/\text{NDF}: 96.6/42$

All: 0.004 ± 0.012 $\chi^2/\text{NDF}: 140.2/81$

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.640+/-0.012 χ^2/NDF : 10799270.4/16

Left Out: 11928.439+/-1.994 χ^2/NDF : 470052.0/23

Right Out: 18.311+/-0.011 χ^2/NDF : 11056055.0/18

Left In: 12093.169+/-2.076 χ^2/NDF : 363380.0/21

Left: 12007.470+/-1.438 χ^2/NDF : 836706.8/45

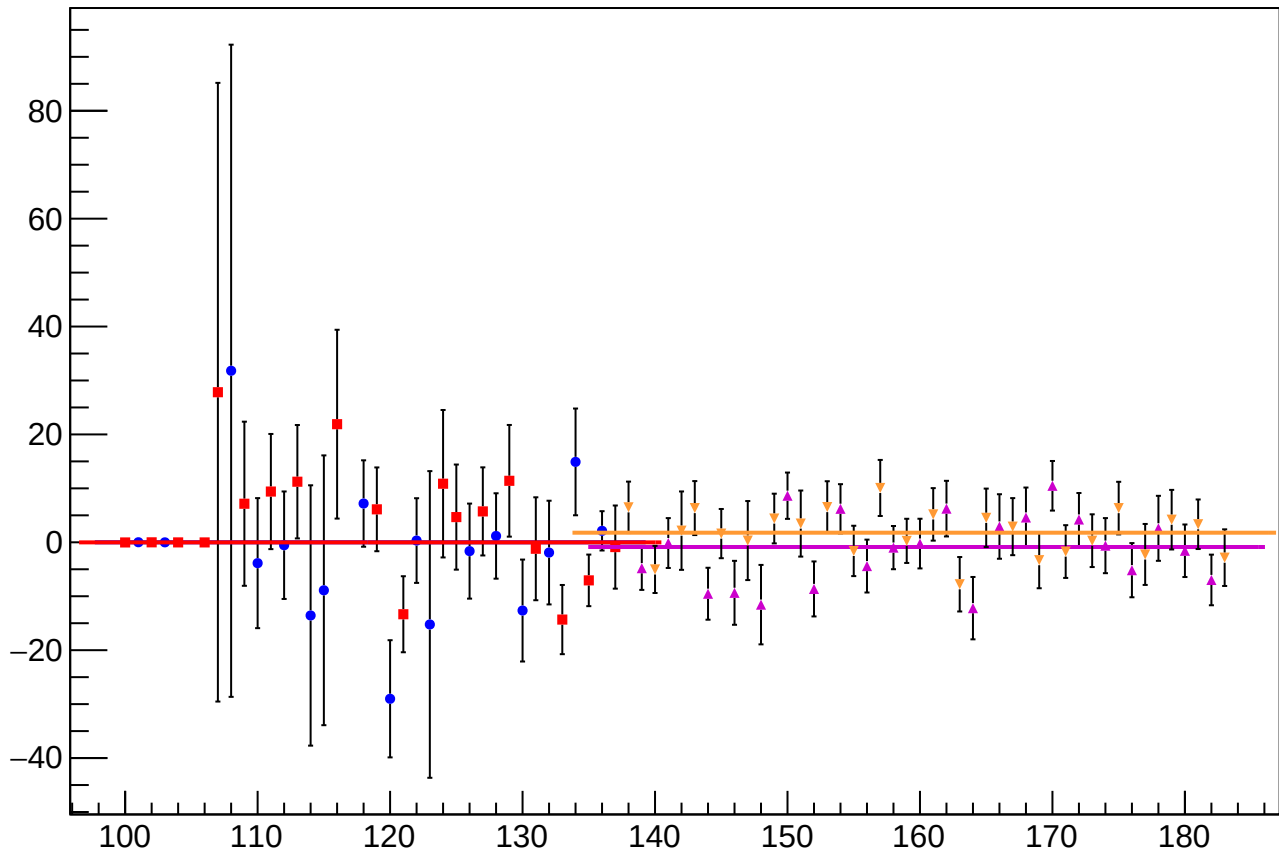
Right: 18.463+/-0.008 χ^2/NDF : 21855713.8/35

In: 19.061+/-0.012 χ^2/NDF : 44981084.0/38

Out: 18.698+/-0.011 χ^2/NDF : 47205857.5/42

All: 18.866+/-0.008 χ^2/NDF : 92187413.7/81

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 χ^2/NDF : 14.6/16

Left Out: 1.780 ± 1.030 χ^2/NDF : 17.3/23

Right Out: -0.014 ± 0.009 χ^2/NDF : 18.6/18

Left In: -0.870 ± 1.054 χ^2/NDF : 35.6/21

Left: 0.486 ± 0.736 χ^2/NDF : 56.1/45

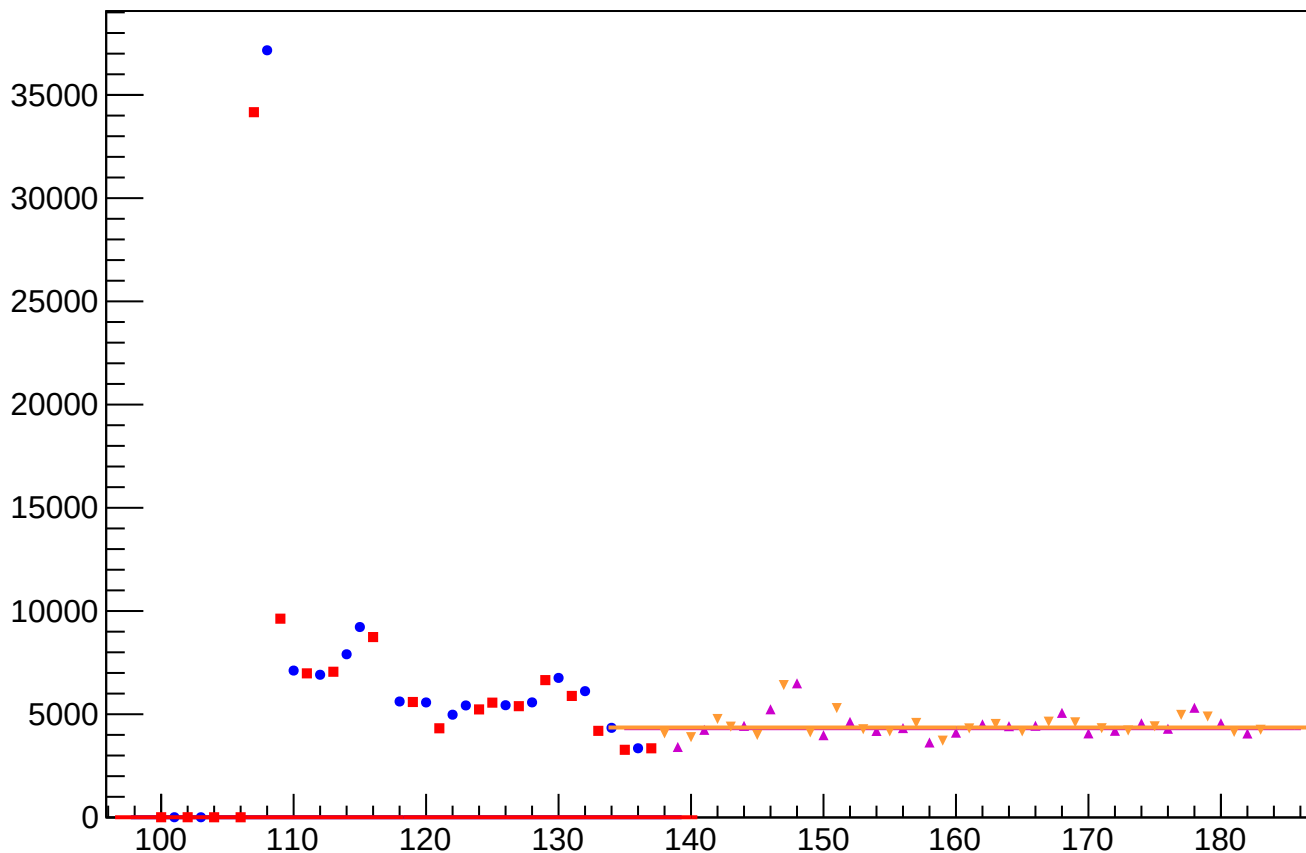
Right: -0.007 ± 0.006 χ^2/NDF : 34.6/35

In: 0.001 ± 0.009 χ^2/NDF : 50.9/38

Out: -0.014 ± 0.009 χ^2/NDF : 38.9/42

All: -0.007 ± 0.006 χ^2/NDF : 91.2/81

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10926318.4/16

Left Out: 4357.075 $\pm$ 0.728 χ^2 /NDF:379858.1/23

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11106435.3/18

Left In: 4323.643 $\pm$ 0.745 χ^2 /NDF:527394.3/21

Left: 4340.751 $\pm$ 0.521 χ^2 /NDF: 908282.2/45

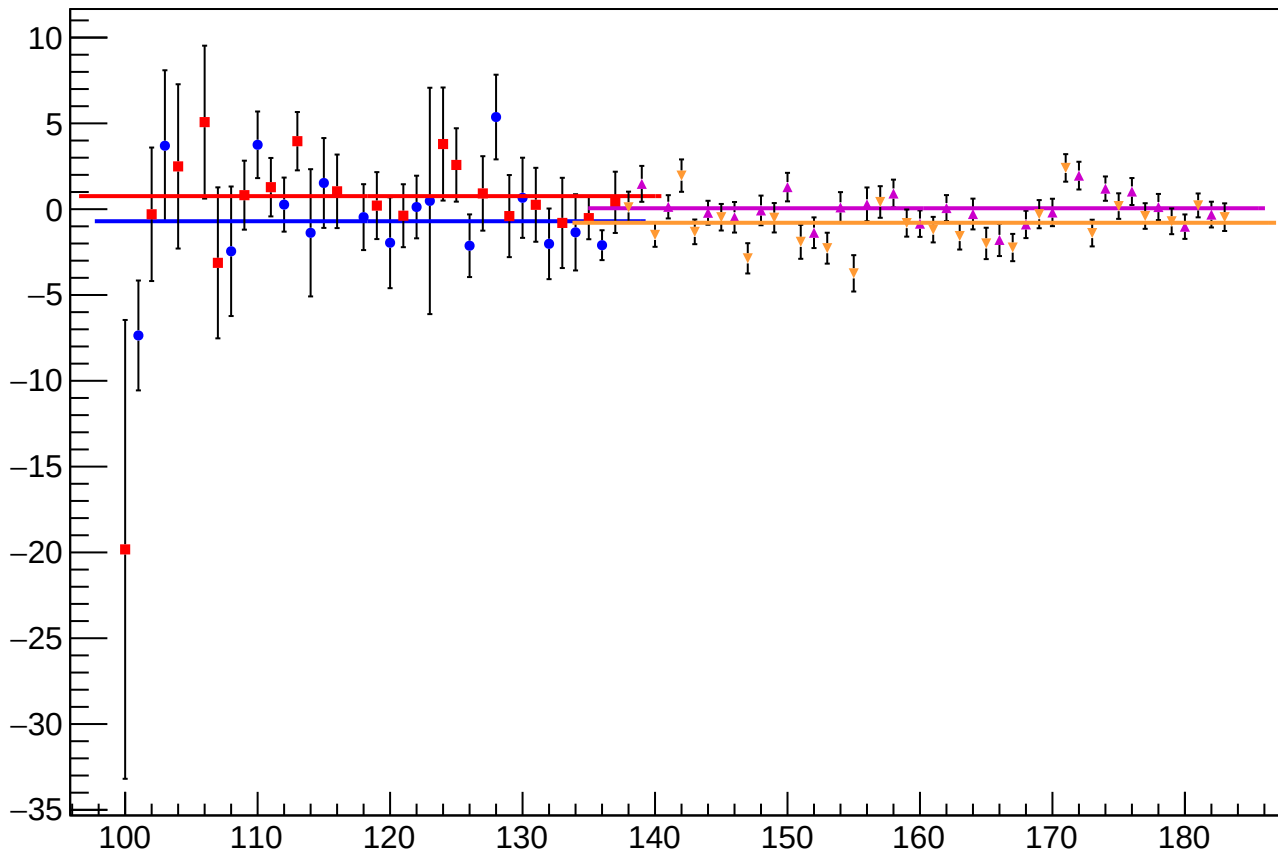
Right: 9.893 $\pm$ 0.004 χ^2 /NDF: 22032841.6/35

In: 10.266 $\pm$ 0.007 χ^2 /NDF:44954550.9/38

Out: 10.161 $\pm$ 0.006 χ^2 /NDF:47143673.8/42

All: 10.210 $\pm$ 0.004 χ^2 /NDF: 92098364.6/81

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.702 ± 0.485 χ^2/NDF : 22.5/16

Left Out: -0.792 ± 0.166 χ^2/NDF : 57.7/23

Right Out: 0.760 ± 0.502 χ^2/NDF : 11.8/18

Left In: 0.054 ± 0.172 χ^2/NDF : 27.3/21

Left: -0.385 ± 0.119 χ^2/NDF : 97.6/45

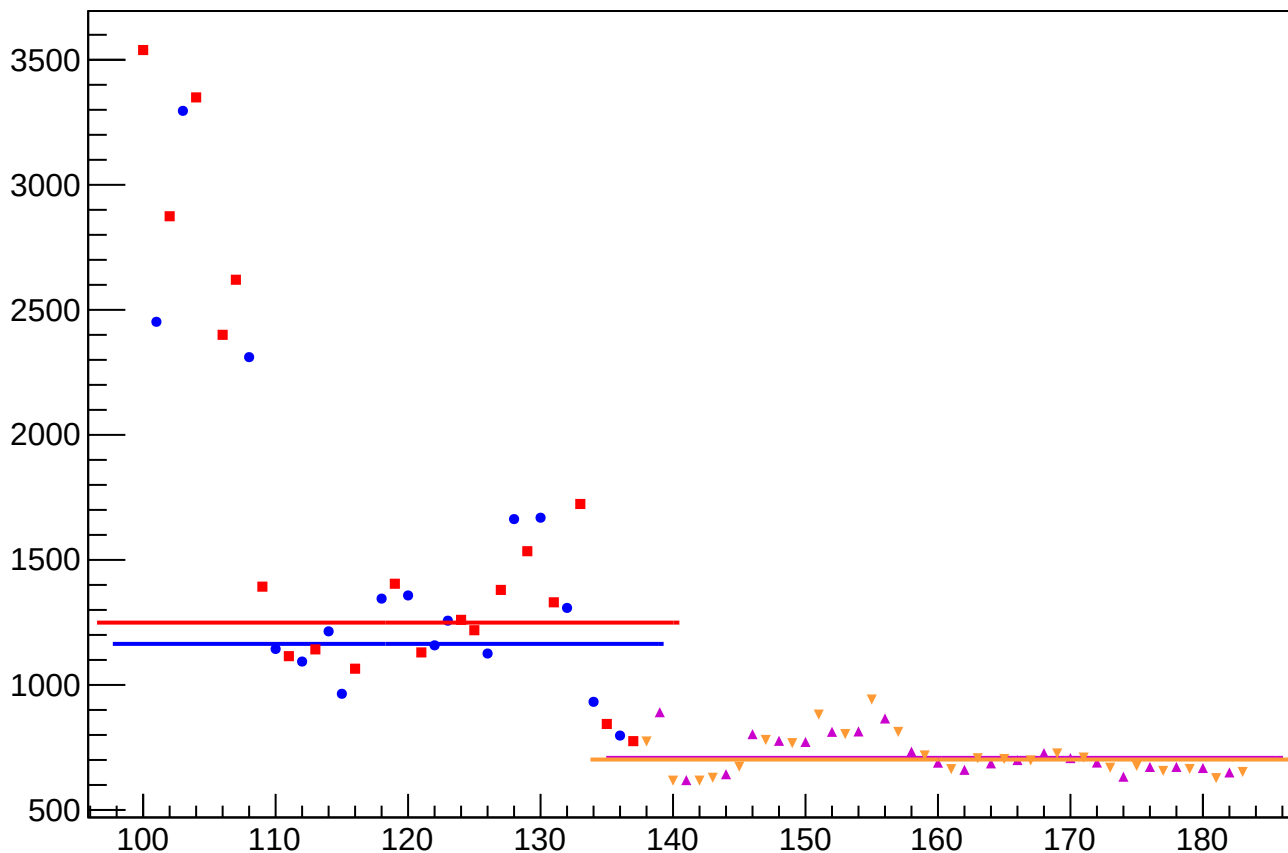
Right: 0.004 ± 0.349 χ^2/NDF : 38.6/35

In: -0.030 ± 0.162 χ^2/NDF : 52.0/38

Out: -0.640 ± 0.157 χ^2/NDF : 78.1/42

All: -0.344 ± 0.113 χ^2/NDF : 137.3/81

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.211 $\pm$ 0.343 χ^2/NDF : 1586062.6/16

Left Out: 701.698 $\pm$ 0.117 χ^2/NDF : 388821.1/23

Right Out: 1249.273 $\pm$ 0.355 χ^2/NDF : 1649434.8/18

Left In: 708.374 $\pm$ 0.122 χ^2/NDF : 331401.8/21

Left: 704.913 $\pm$ 0.084 χ^2/NDF : 721787.3/45

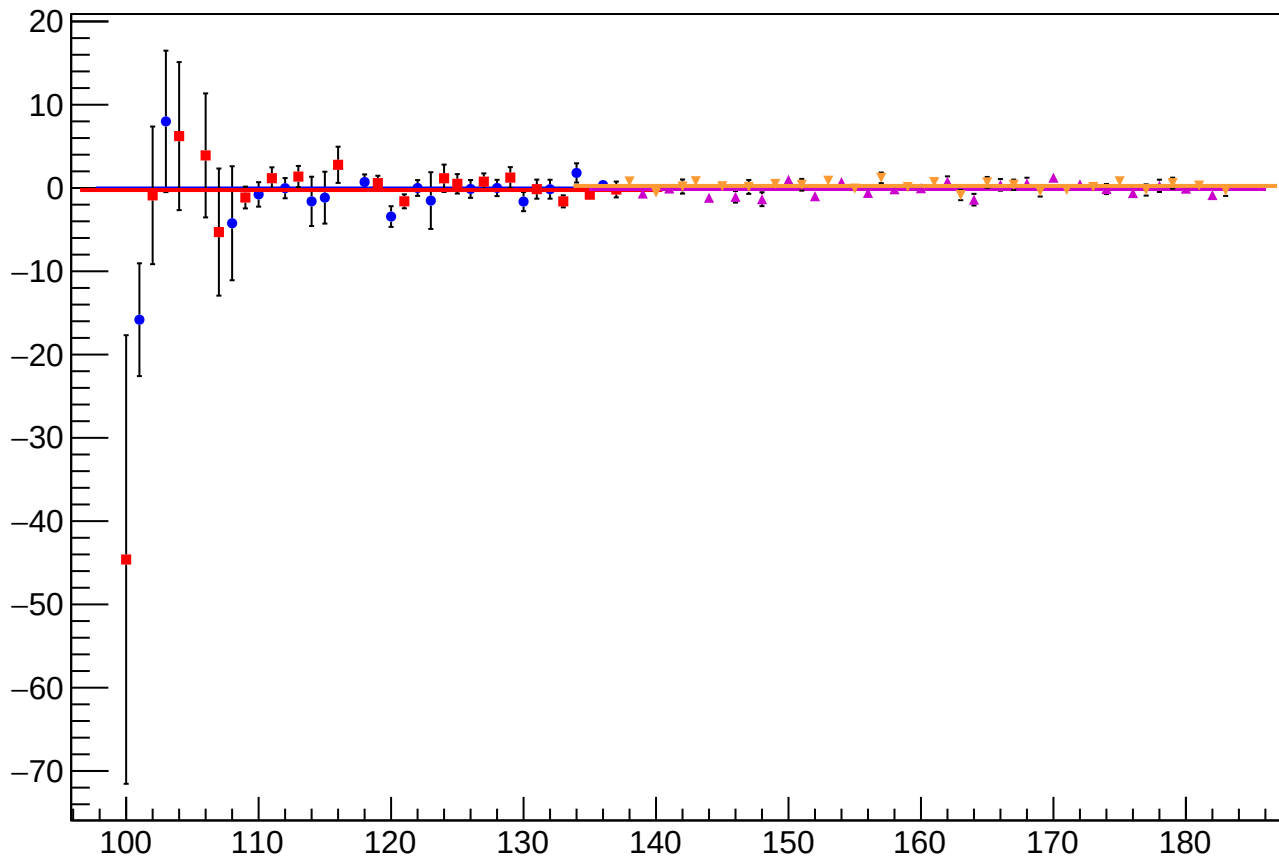
Right: 1205.271 $\pm$ 0.247 χ^2/NDF : 3265191.3/35

In: 759.231 $\pm$ 0.115 χ^2/NDF : 3486981.1/38

Out: 755.440 $\pm$ 0.111 χ^2/NDF : 4183532.1/42

All: 757.279 $\pm$ 0.080 χ^2/NDF : 7671077.1/81

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.060 ± 0.271 χ^2/NDF : 20.9/16

Left Out: 0.250 ± 0.123 χ^2/NDF : 16.8/23

Right Out: -0.245 ± 0.265 χ^2/NDF : 20.7/18

Left In: -0.120 ± 0.127 χ^2/NDF : 34.9/21

Left: 0.069 ± 0.088 χ^2/NDF : 56.1/45

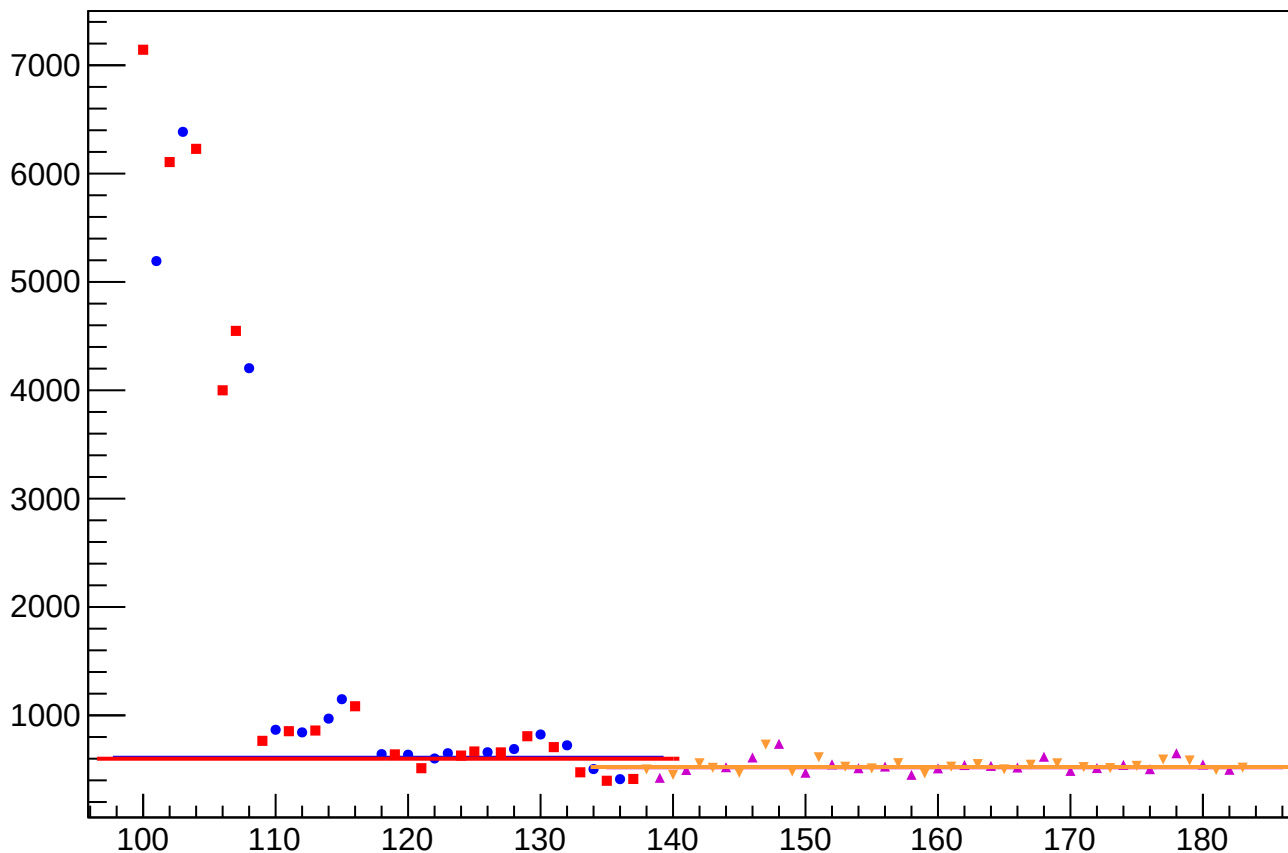
Right: -0.154 ± 0.189 χ^2/NDF : 41.9/35

In: -0.110 ± 0.115 χ^2/NDF : 55.8/38

Out: 0.161 ± 0.112 χ^2/NDF : 40.4/42

All: 0.029 ± 0.080 χ^2/NDF : 99.1/81

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 608.589 $\pm$ 0.191 χ^2 /NDF: 3137480.1/16

Left Out: 523.122 $\pm$ 0.087 χ^2 /NDF: 327531.6/23

Right Out: 599.715 $\pm$ 0.187 χ^2 /NDF: 3547458.7/18

Left In: 520.946 $\pm$ 0.090 χ^2 /NDF: 438165.4/21

Left: 522.063 $\pm$ 0.063 χ^2 /NDF: 765999.0/45

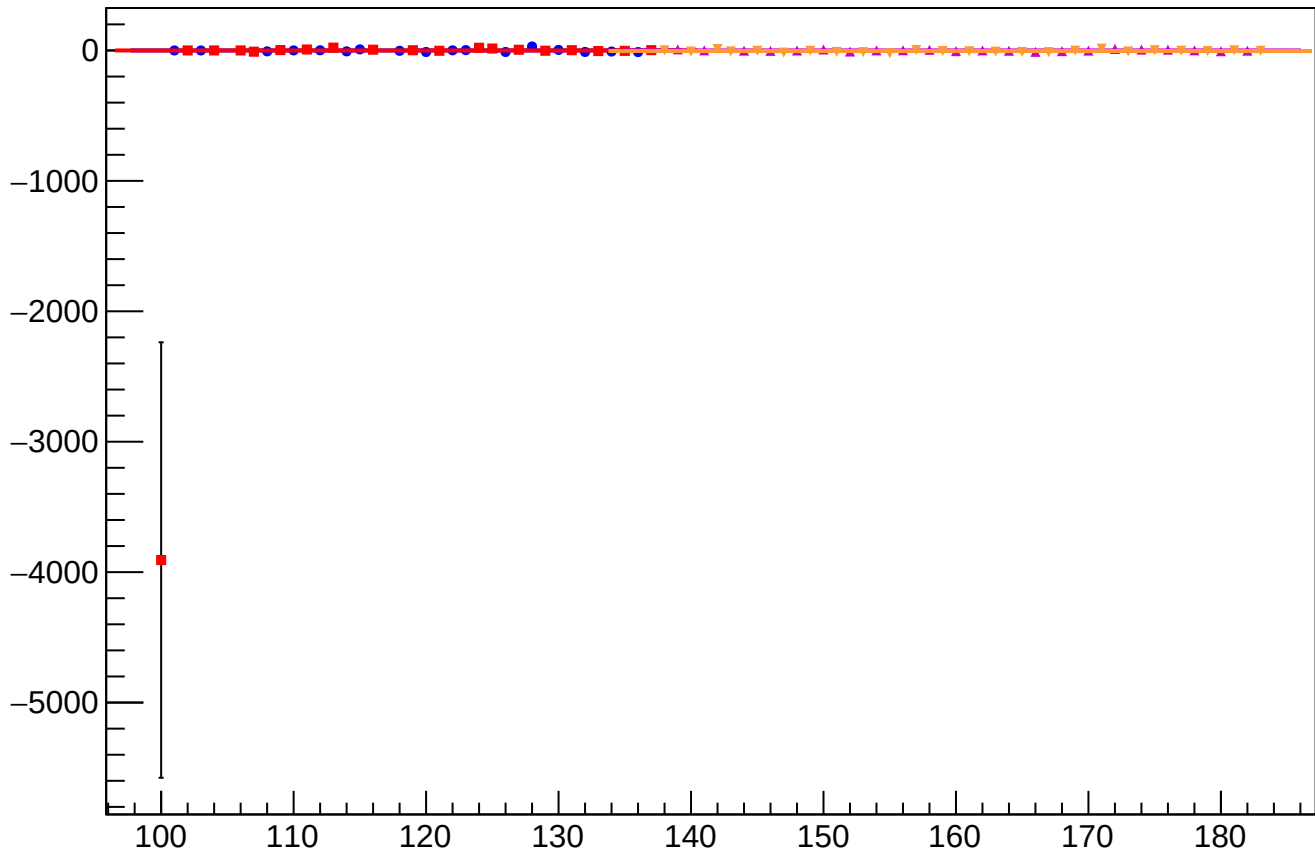
Right: 604.058 $\pm$ 0.134 χ^2 /NDF: 6686037.5/35

In: 536.728 $\pm$ 0.081 χ^2 /NDF: 3747712.3/38

Out: 536.799 $\pm$ 0.079 χ^2 /NDF: 4012391.9/42

All: 536.764 $\pm$ 0.057 χ^2 /NDF: 7760104.6/81

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/16

Left Out: -4.585 ± 0.964 χ^2/NDF : 57.4/23

Right Out: 0.027 ± 0.020 χ^2/NDF : 16.8/18

Left In: 0.395 ± 1.001 χ^2/NDF : 27.3/21

Left: -2.189 ± 0.694 χ^2/NDF : 97.6/45

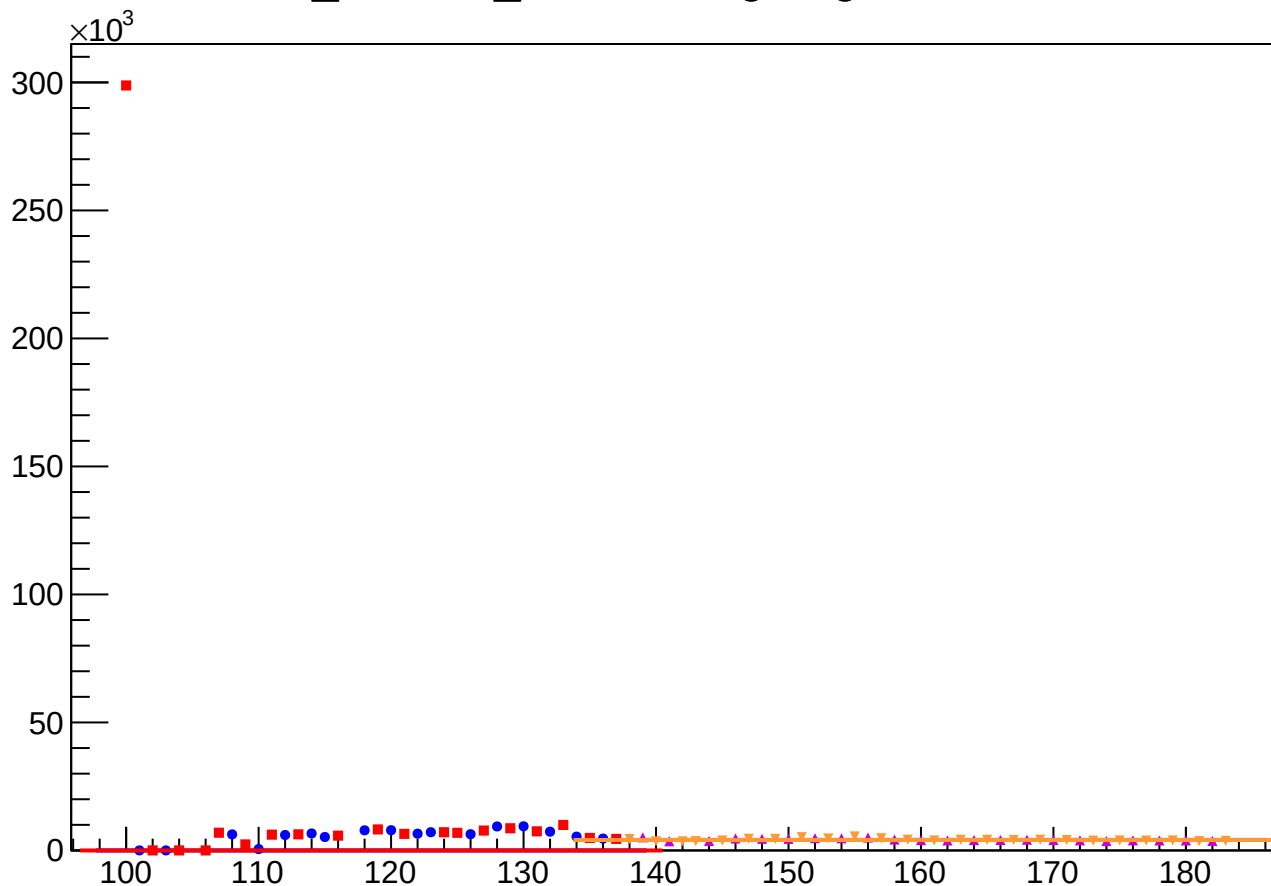
Right: 0.004 ± 0.014 χ^2/NDF : 35.3/35

In: -0.021 ± 0.021 χ^2/NDF : 43.1/38

Out: 0.025 ± 0.020 χ^2/NDF : 97.1/42

All: 0.003 ± 0.014 χ^2/NDF : 142.8/81

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.335 ± 0.015 $\chi^2/\text{NDF}: 10315348.6/16$

Left Out: 4080.625 ± 0.681 $\chi^2/\text{NDF}: 411631.5/23$

Right Out: 17.267 ± 0.014 $\chi^2/\text{NDF}: 10766587.2/18$

Left In: 4123.677 ± 0.708 $\chi^2/\text{NDF}: 345579.5/21$

Left: 4101.336 ± 0.491 $\chi^2/\text{NDF}: 759131.8/45$

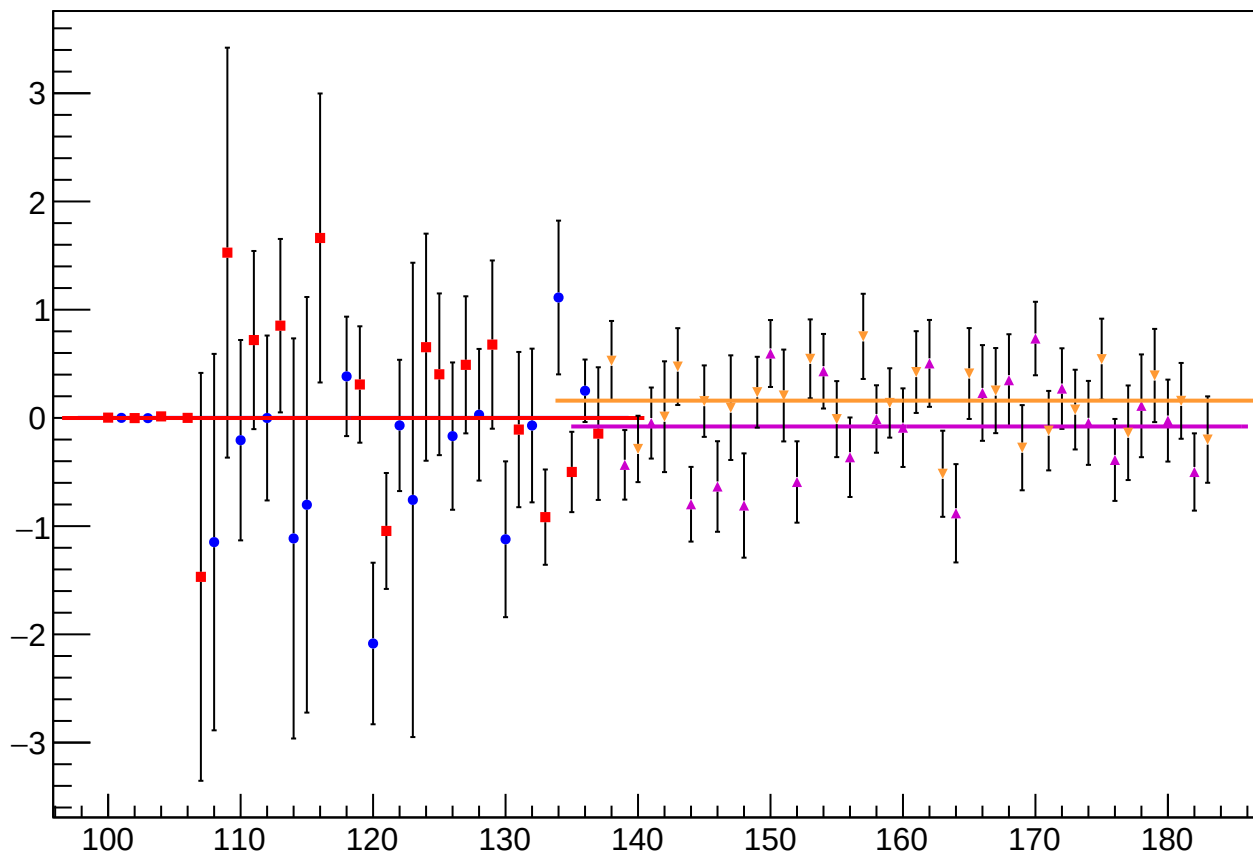
Right: 17.299 ± 0.010 $\chi^2/\text{NDF}: 21081947.2/35$

In: 19.108 ± 0.015 $\chi^2/\text{NDF}: 44319920.3/38$

Out: 18.978 ± 0.014 $\chi^2/\text{NDF}: 46730243.6/42$

All: 19.040 ± 0.010 $\chi^2/\text{NDF}: 91050204.7/81$

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.3/16

Left Out: 0.160 $\pm$ 0.077 χ^2 /NDF:16.0/23

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 18.1/18

Left In: -0.079 $\pm$ 0.079 χ^2 /NDF:34.7/21

Left: 0.044 $\pm$ 0.055 χ^2 /NDF: 55.3/45

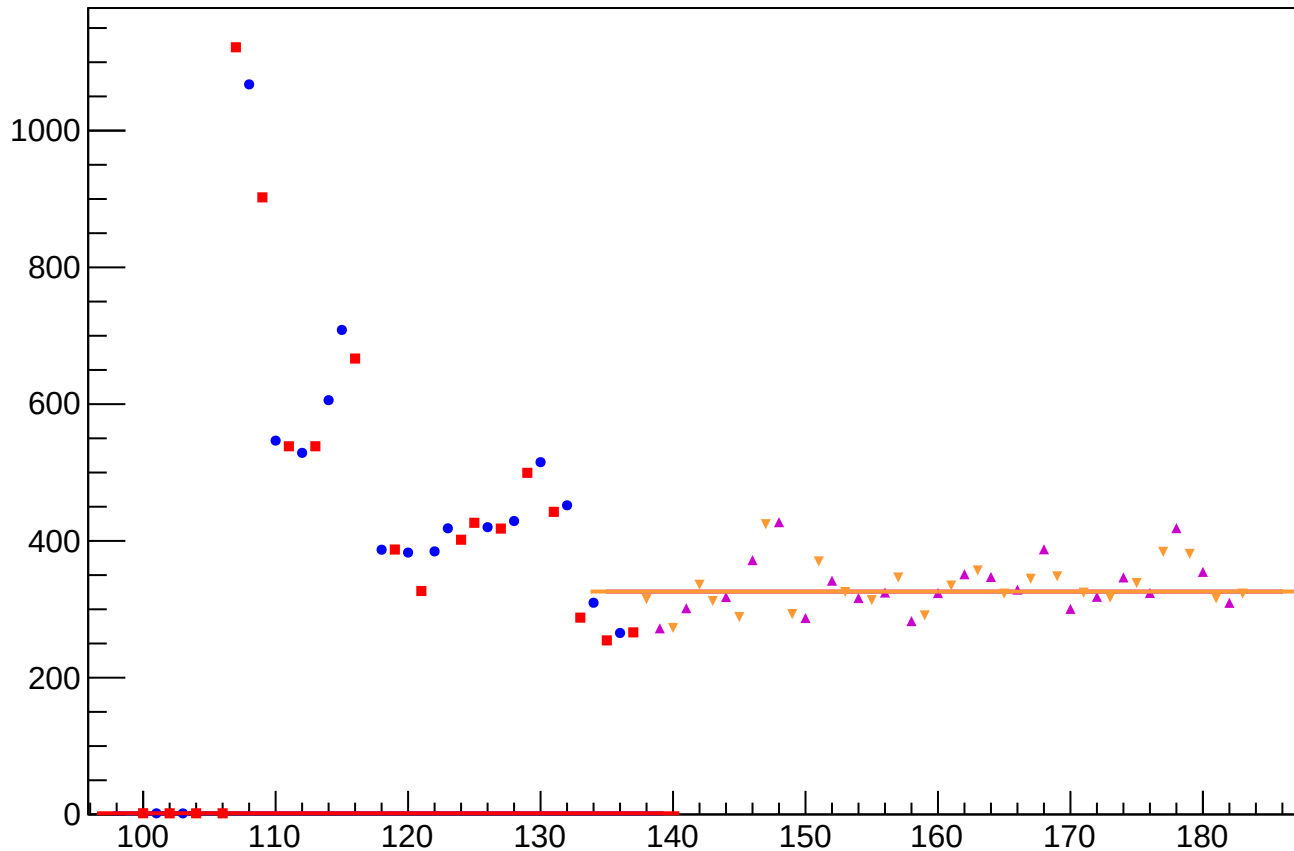
Right: -0.000 $\pm$ 0.001 χ^2 /NDF: 33.5/35

In: 0.000 $\pm$ 0.002 χ^2 /NDF:51.0/38

Out: -0.001 $\pm$ 0.002 χ^2 /NDF:38.4/42

All: -0.000 $\pm$ 0.001 χ^2 /NDF: 89.5/81

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 ± 0.001 χ^2/NDF : 10864983.9/16

Left Out: 325.955 ± 0.054 χ^2/NDF : 345194.2/23

Right Out: 1.728 ± 0.001 χ^2/NDF : 10690594.4/18

Left In: 325.900 ± 0.056 χ^2/NDF : 420532.6/21

Left: 325.928 ± 0.039 χ^2/NDF : 765727.3/45

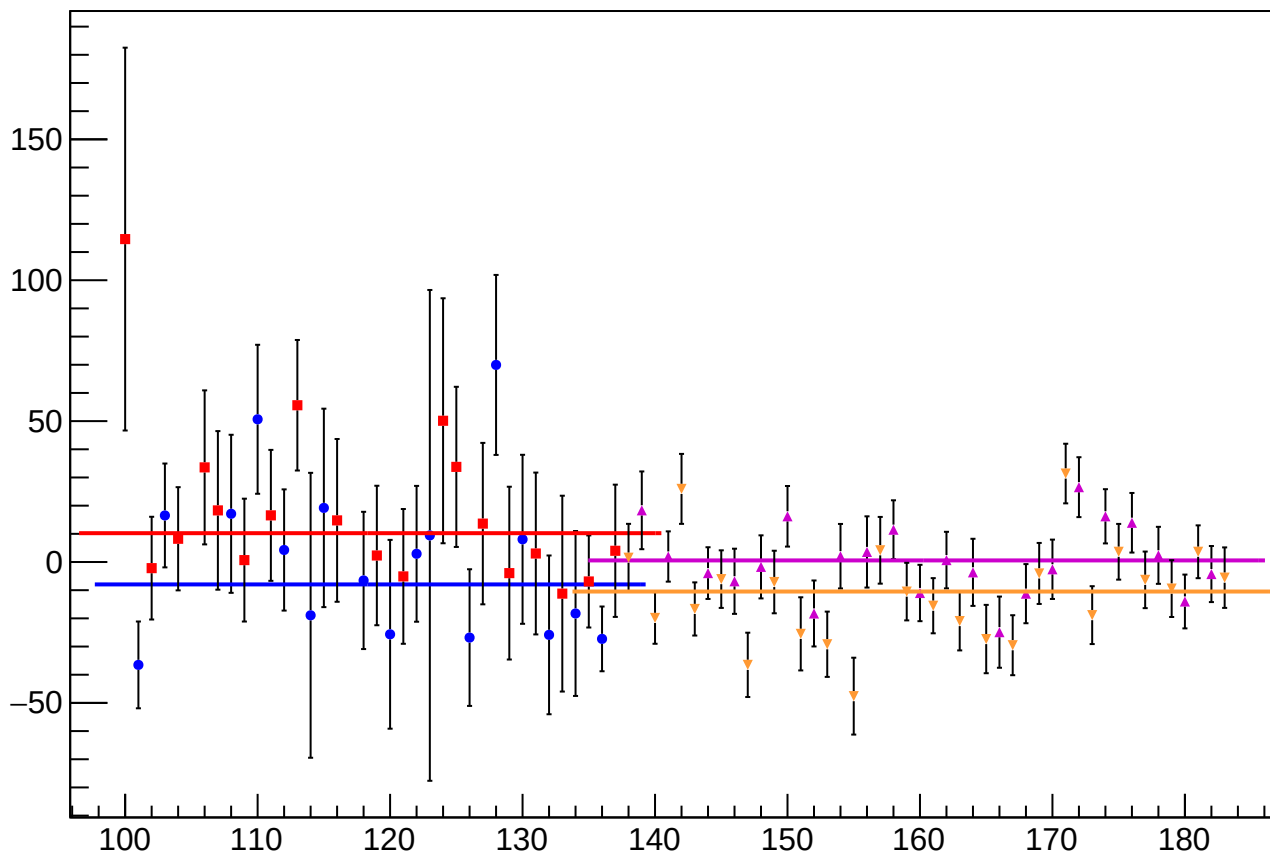
Right: 1.714 ± 0.001 χ^2/NDF : 21555805.2/35

In: 1.910 ± 0.001 χ^2/NDF : 44704742.9/38

Out: 1.934 ± 0.001 χ^2/NDF : 46509540.9/42

All: 1.922 ± 0.001 χ^2/NDF : 91214432.0/81

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.952 ± 5.639 χ^2/NDF : 22.6/16

Left Out: -10.473 ± 2.184 χ^2/NDF : 57.2/23

Right Out: 10.233 ± 5.692 χ^2/NDF : 11.7/18

Left In: 0.566 ± 2.265 χ^2/NDF : 28.0/21

Left: -5.154 ± 1.572 χ^2/NDF : 97.5/45

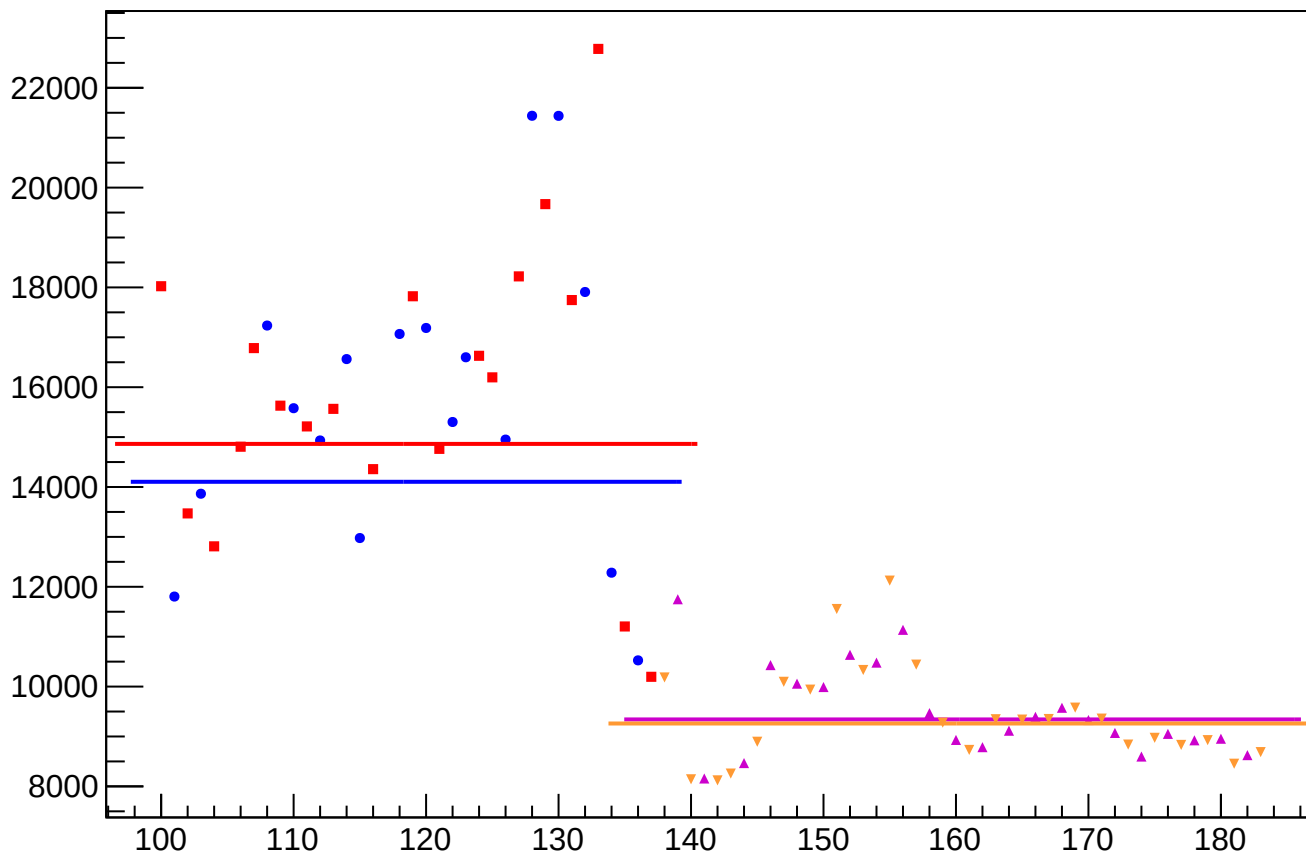
Right: 1.054 ± 4.006 χ^2/NDF : 39.4/35

In: -0.617 ± 2.102 χ^2/NDF : 52.5/38

Out: -7.816 ± 2.039 χ^2/NDF : 80.4/42

All: -4.325 ± 1.463 χ^2/NDF : 139.0/81

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14104.125 +/- 3.987 χ^2/NDF : 604857.2/16

Left Out: 9260.034 +/- 1.544 χ^2/NDF : 328970.2/23

Right Out: 14863.530 +/- 4.025 χ^2/NDF : 472106.0/18

Left In: 9341.641 +/- 1.601 χ^2/NDF : 275552.6/21

Left: 9299.355 +/- 1.112 χ^2/NDF : 605868.3/45

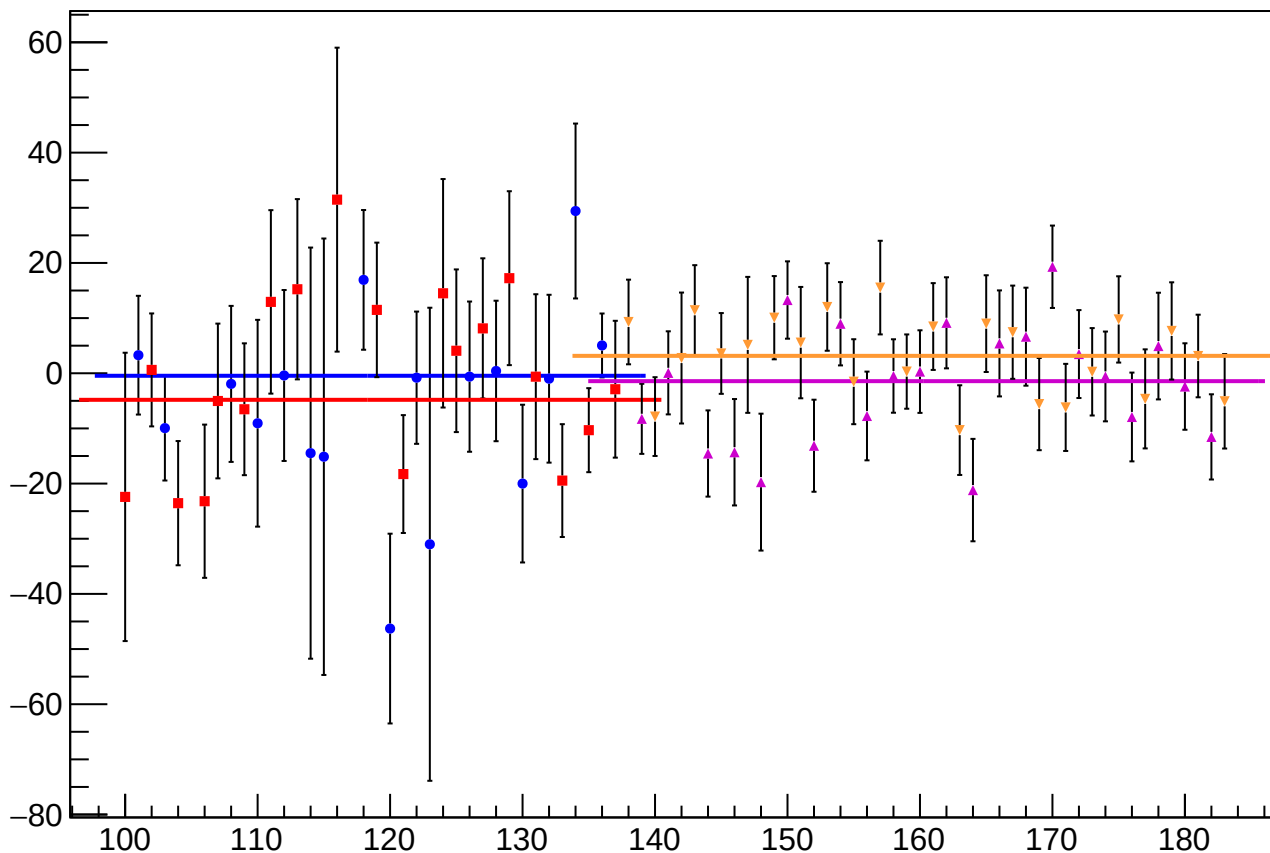
Right: 14480.230 +/- 2.833 χ^2/NDF : 1094929.4/35

In: 10003.203 +/- 1.486 χ^2/NDF : 2108948.4/38

Out: 9979.001 +/- 1.442 χ^2/NDF : 2490453.0/42

All: 9990.736 +/- 1.035 χ^2/NDF : 4599538.0/81

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.456 $\pm$ 3.089 χ^2/NDF : 17.4/16

Left Out: 3.156 $\pm$ 1.672 χ^2/NDF :18.1/23

Right Out: -4.814 $\pm$ 2.946 χ^2/NDF : 19.9/18

Left In: -1.431 $\pm$ 1.710 χ^2/NDF :35.3/21

Left: 0.914 $\pm$ 1.196 χ^2/NDF : 57.1/45

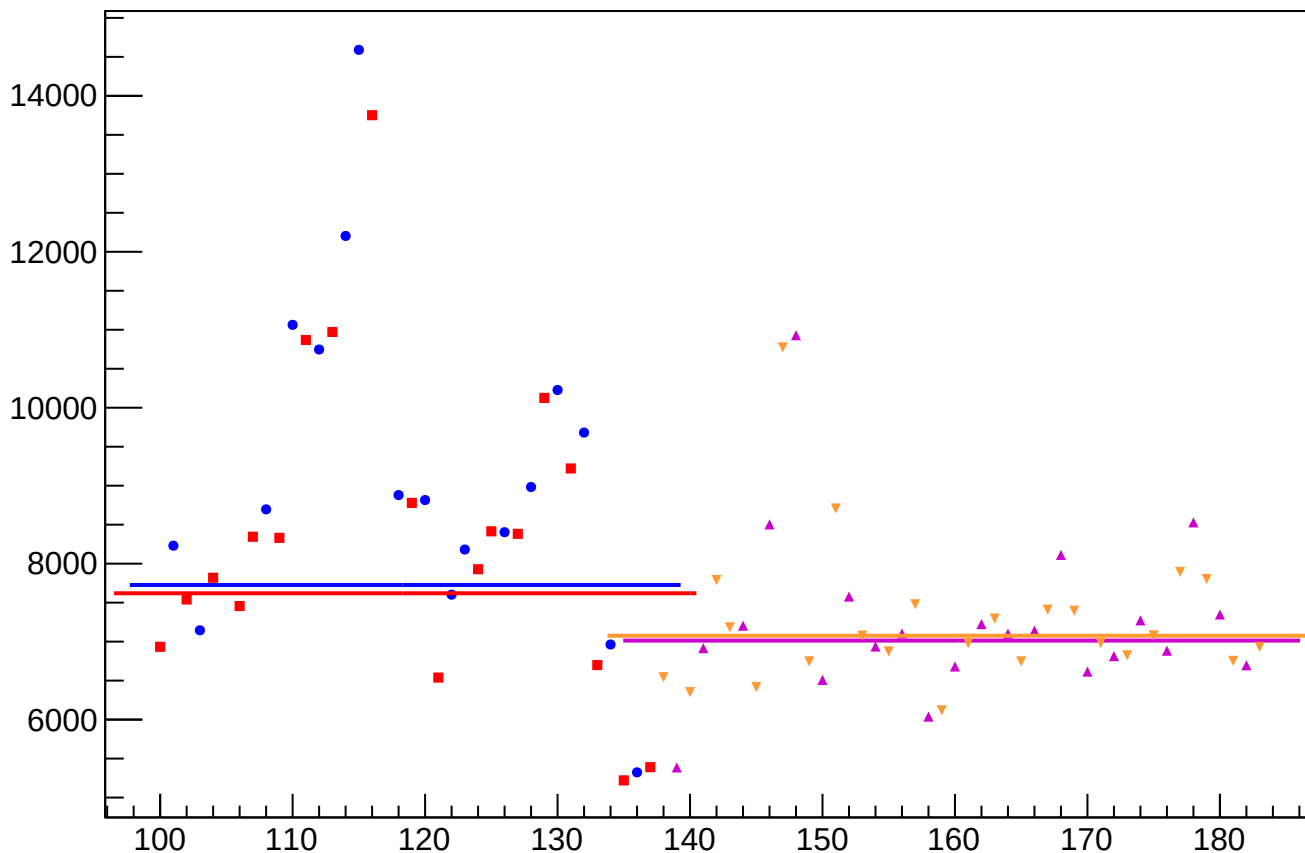
Right: -2.739 $\pm$ 2.132 χ^2/NDF : 38.4/35

In: -1.202 $\pm$ 1.496 χ^2/NDF :52.9/38

Out: 1.213 $\pm$ 1.454 χ^2/NDF :43.5/42

All: 0.040 $\pm$ 1.043 χ^2/NDF : 97.7/81

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.613+/-2.184 χ^2/NDF : 742603.6/16

Left Out: 7075.695+/-1.182 χ^2/NDF : 383935.8/23

Right Out: 7620.107+/-2.083 χ^2/NDF : 679200.6/18

Left In: 7013.368+/-1.209 χ^2/NDF : 544432.1/21

Left: 7045.236+/-0.846 χ^2/NDF : 929725.7/45

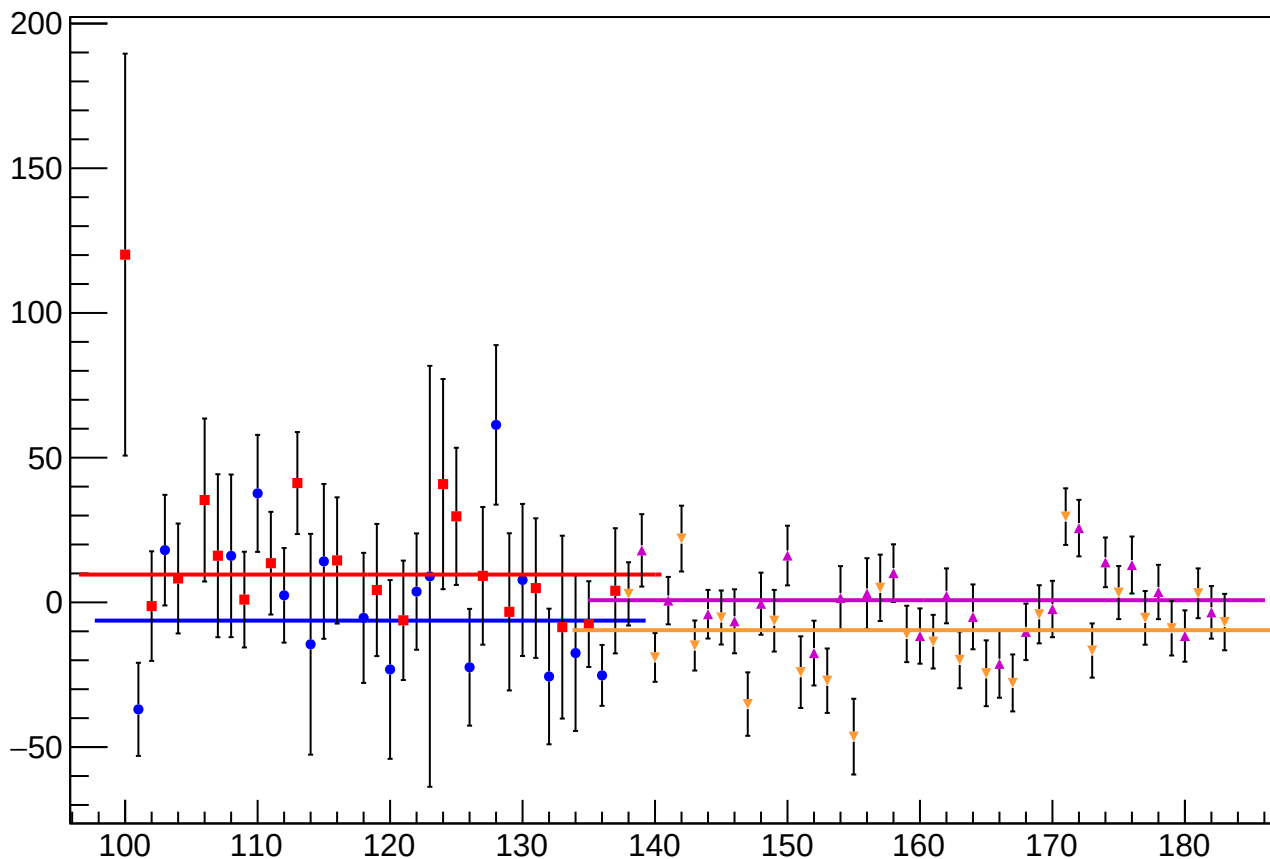
Right: 7670.830+/-1.508 χ^2/NDF : 1423049.2/35

In: 7180.719+/-1.058 χ^2/NDF : 1368629.5/38

Out: 7208.379+/-1.028 χ^2/NDF : 1114796.7/42

All: 7194.944+/-0.737 χ^2/NDF : 2483777.6/81

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.303 ± 5.045 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -9.601 ± 2.035 $\chi^2/\text{NDF}: 57.7/23$

Right Out: 9.614 ± 5.013 $\chi^2/\text{NDF}: 11.5/18$

Left In: 0.753 ± 2.115 $\chi^2/\text{NDF}: 28.0/21$

Left: -4.622 ± 1.466 $\chi^2/\text{NDF}: 98.1/45$

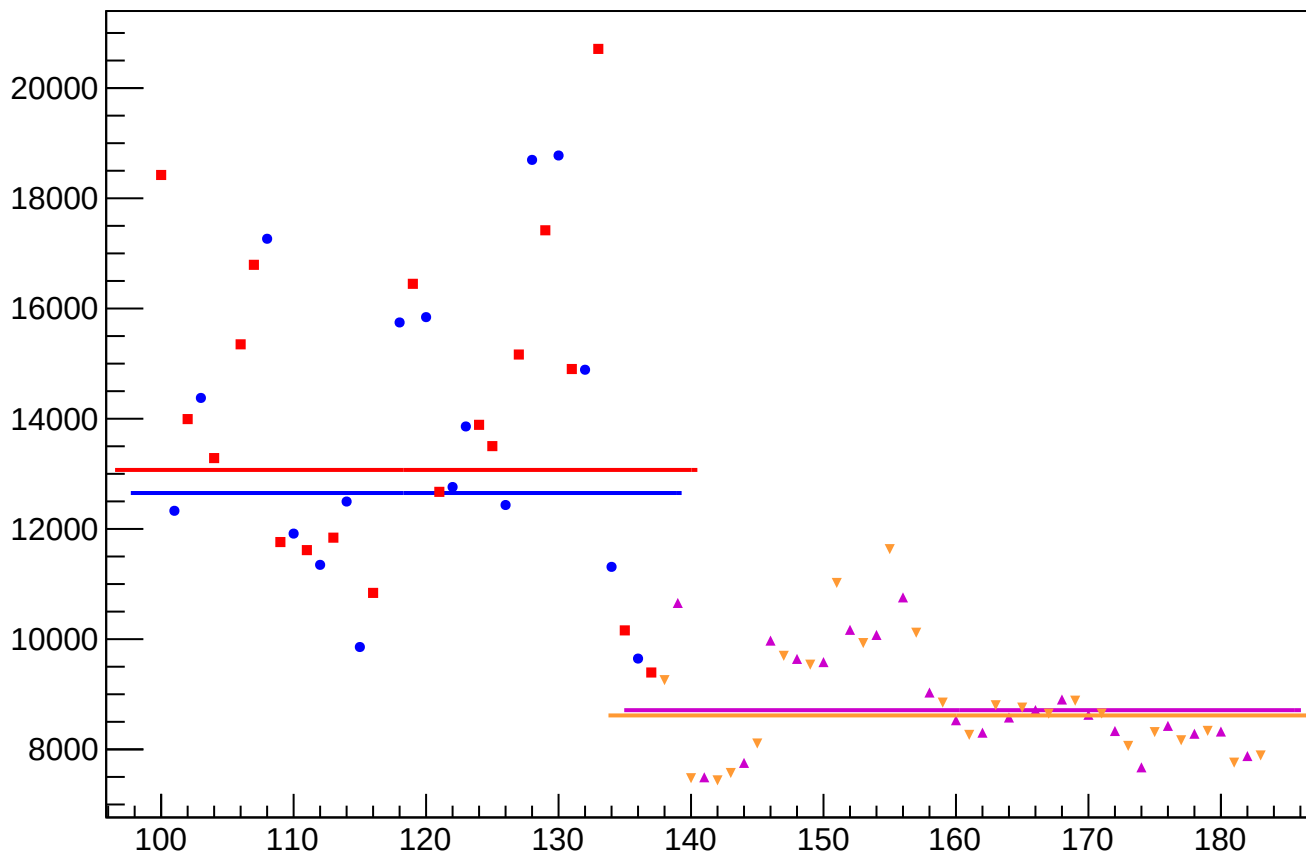
Right: 1.707 ± 3.556 $\chi^2/\text{NDF}: 39.6/35$

In: -0.301 ± 1.950 $\chi^2/\text{NDF}: 52.8/38$

Out: -6.882 ± 1.886 $\chi^2/\text{NDF}: 81.8/42$

All: -3.703 ± 1.356 $\chi^2/\text{NDF}: 140.4/81$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12652.101 $\pm$ 3.567 χ^2 /NDF: 559356.1/16

Left Out: 8615.932 $\pm$ 1.439 χ^2 /NDF: 431410.0/23

Right Out: 13070.799 $\pm$ 3.545 χ^2 /NDF: 498063.2/18

Left In: 8711.574 $\pm$ 1.495 χ^2 /NDF: 361147.5/21

Left: 8661.921 $\pm$ 1.037 χ^2 /NDF: 794681.6/45

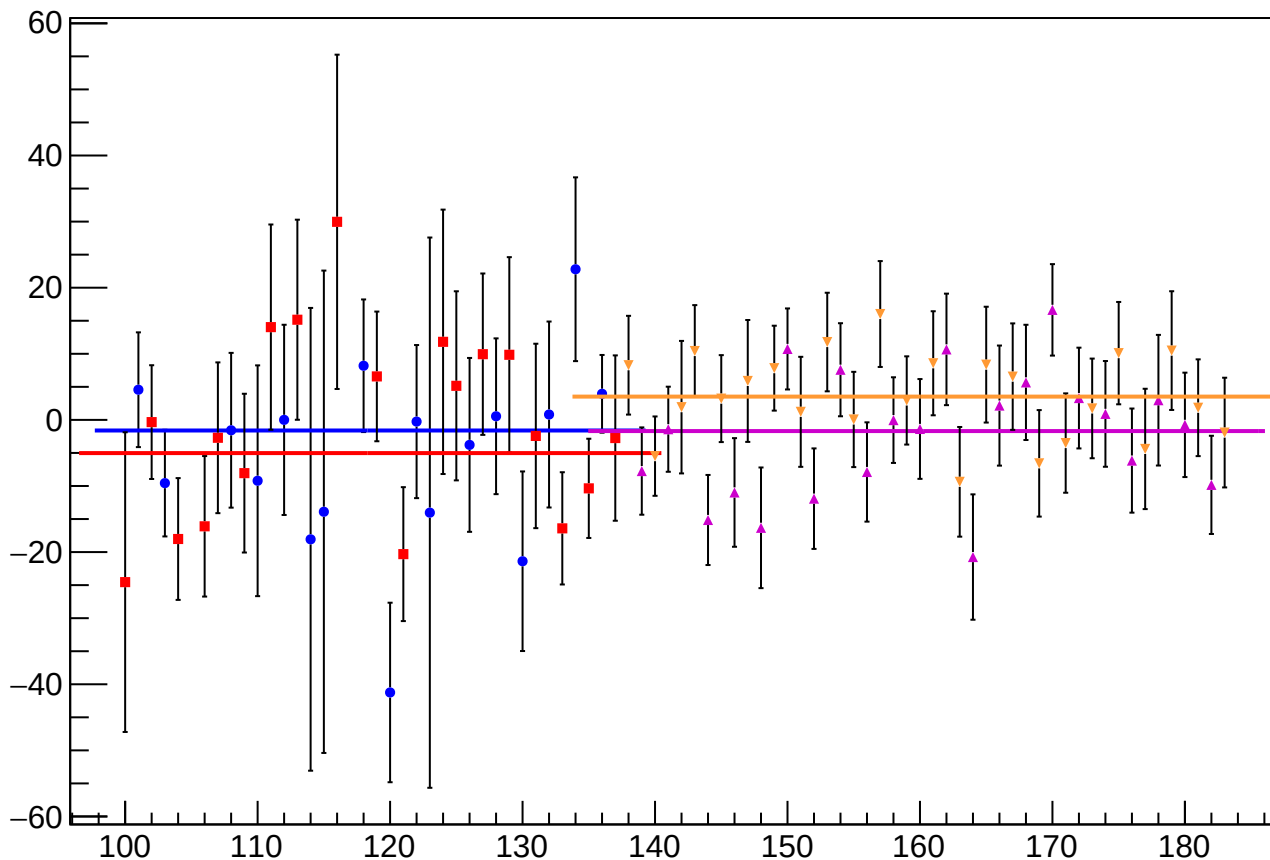
Right: 12862.791 $\pm$ 2.515 χ^2 /NDF: 1064350.7/35

In: 9300.389 $\pm$ 1.379 χ^2 /NDF: 1958261.5/38

Out: 9246.241 $\pm$ 1.333 χ^2 /NDF: 2285455.0/42

All: 9272.403 $\pm$ 0.959 χ^2 /NDF: 4244513.3/81

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.604 ± 2.811 χ^2/NDF : 17.8/16

Left Out: 3.523 ± 1.563 χ^2/NDF : 16.5/23

Right Out: -5.023 ± 2.647 χ^2/NDF : 19.2/18

Left In: -1.691 ± 1.615 χ^2/NDF : 33.4/21

Left: 1.002 ± 1.123 χ^2/NDF : 55.3/45

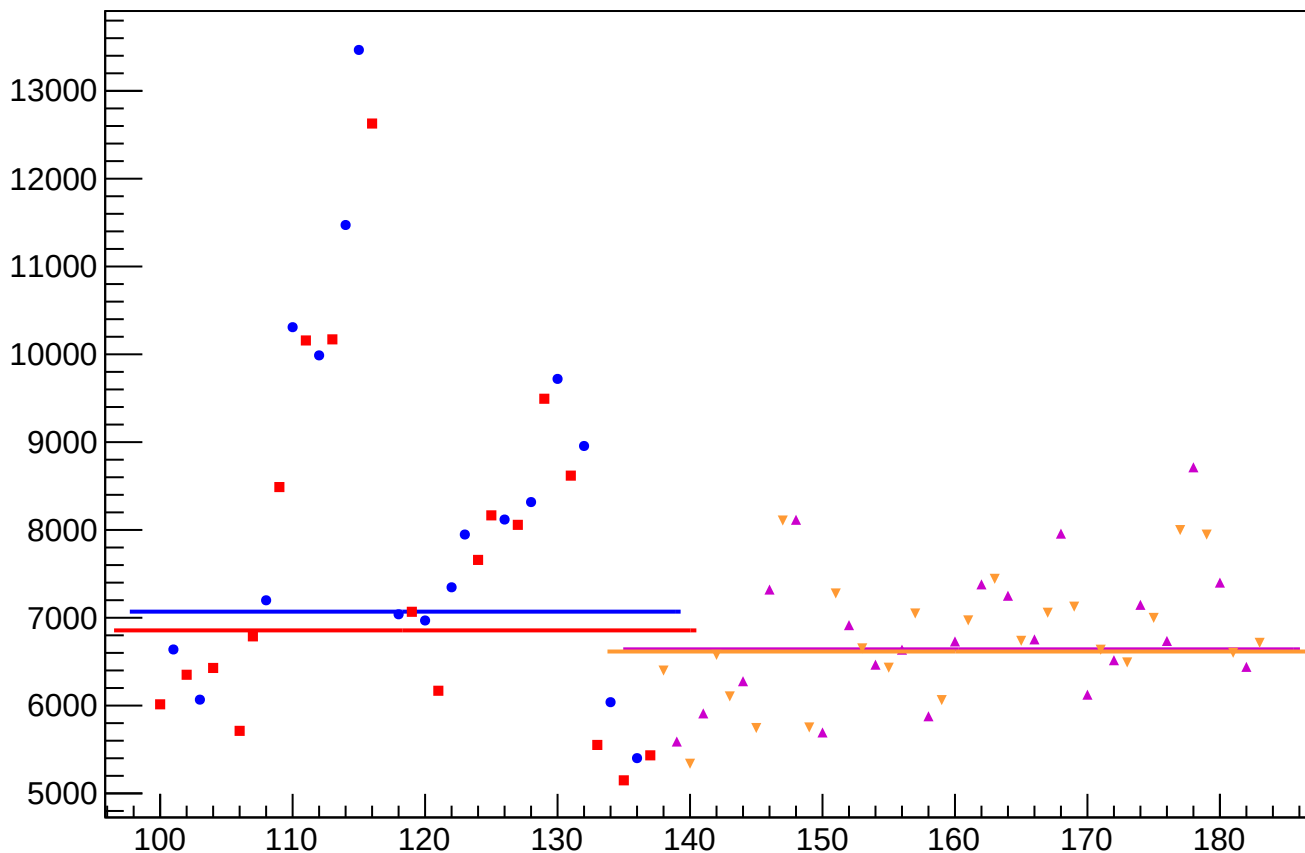
Right: -3.416 ± 1.927 χ^2/NDF : 37.7/35

In: -1.670 ± 1.401 χ^2/NDF : 51.2/38

Out: 1.313 ± 1.346 χ^2/NDF : 43.4/42

All: -0.119 ± 0.970 χ^2/NDF : 96.9/81

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7069.683+/-1.988 χ^2/NDF : 601725.0/16

Left Out: 6615.656+/-1.105 χ^2/NDF : 394690.6/23

Right Out: 6856.143+/-1.872 χ^2/NDF : 686407.0/18

Left In: 6640.401+/-1.142 χ^2/NDF : 424977.9/21

Left: 6627.622+/-0.794 χ^2/NDF : 819910.9/45

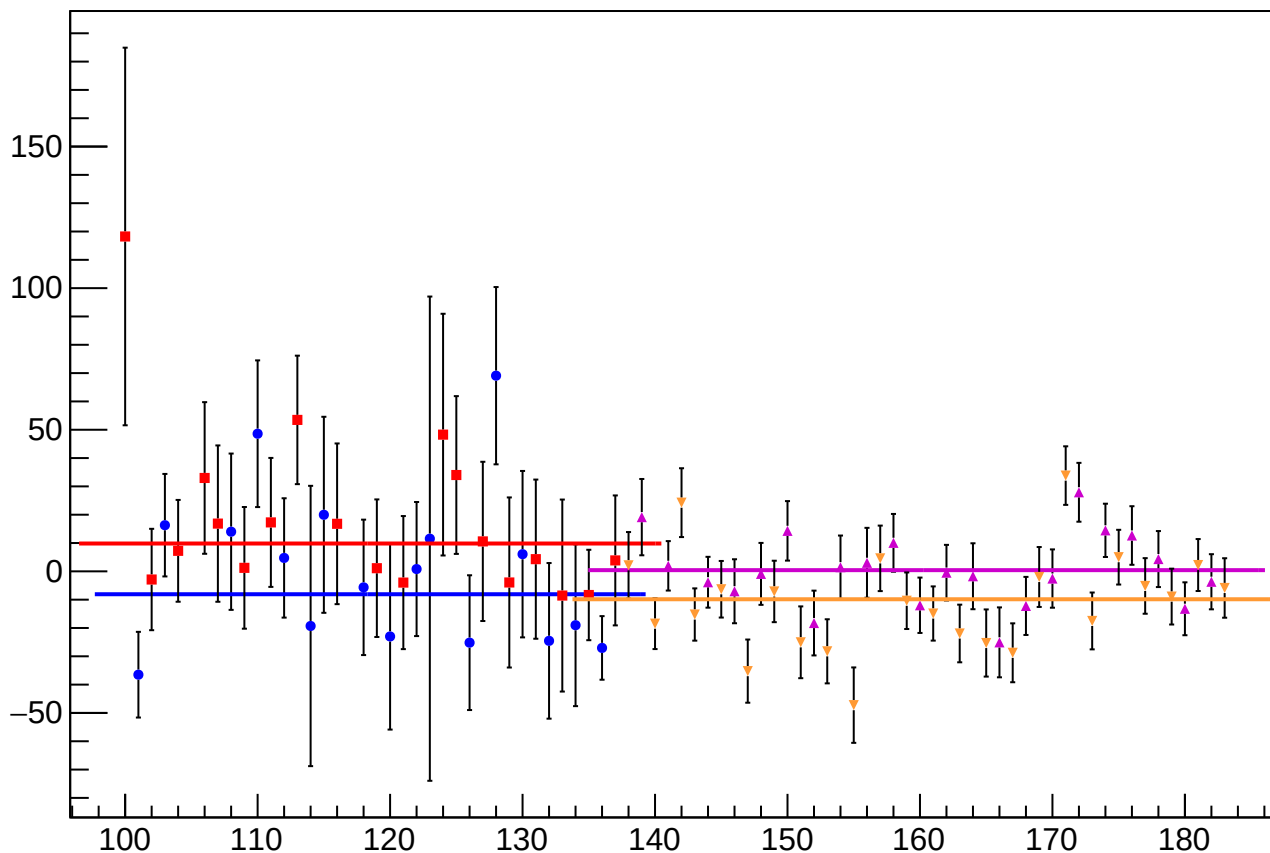
Right: 6956.503+/-1.363 χ^2/NDF : 1294250.1/35

In: 6746.974+/-0.990 χ^2/NDF : 1061771.2/38

Out: 6677.837+/-0.952 χ^2/NDF : 1093338.8/42

All: 6711.031+/-0.686 χ^2/NDF : 2157643.8/81

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.084 $\pm$ 5.527 χ^2/NDF : 22.4/16

Left Out: -9.856 $\pm$ 2.135 χ^2/NDF : 59.2/23

Right Out: 9.828 $\pm$ 5.581 χ^2/NDF : 12.0/18

Left In: 0.421 $\pm$ 2.214 χ^2/NDF : 28.6/21

Left: -4.904 $\pm$ 1.537 χ^2/NDF : 99.0/45

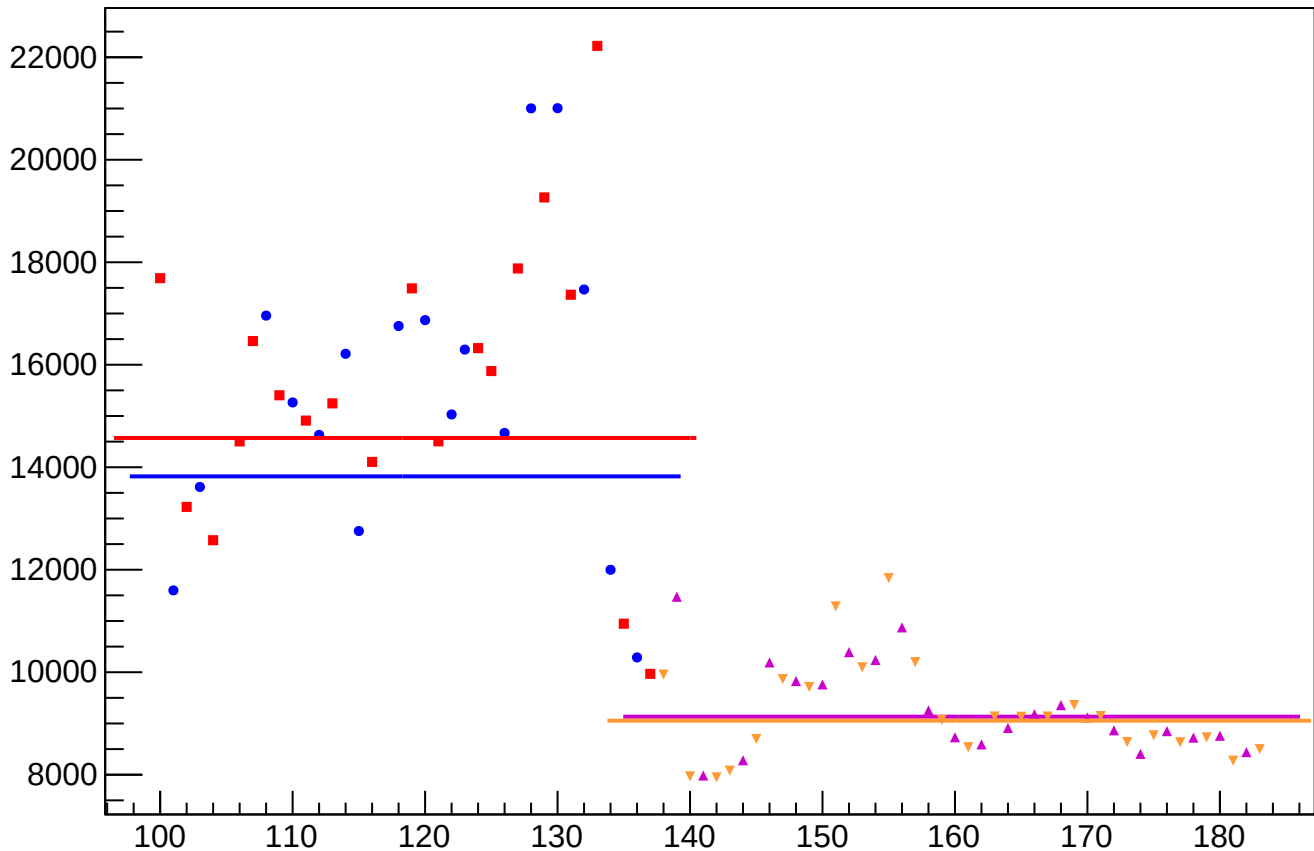
Right: 0.784 $\pm$ 3.927 χ^2/NDF : 39.6/35

In: -0.755 $\pm$ 2.055 χ^2/NDF : 53.1/38

Out: -7.343 $\pm$ 1.994 χ^2/NDF : 82.0/42

All: -4.149 $\pm$ 1.431 χ^2/NDF : 140.4/81

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.849 $\pm$ 3.908 χ^2 /NDF: 607967.7/16

Left Out: 9053.781 $\pm$ 1.510 χ^2 /NDF:325234.4/23

Right Out: 14571.187 $\pm$ 3.946 χ^2 /NDF: 473951.9/18

Left In: 9132.933 $\pm$ 1.566 χ^2 /NDF:272308.8/21

Left: 9091.921 $\pm$ 1.087 χ^2 /NDF: 598867.6/45

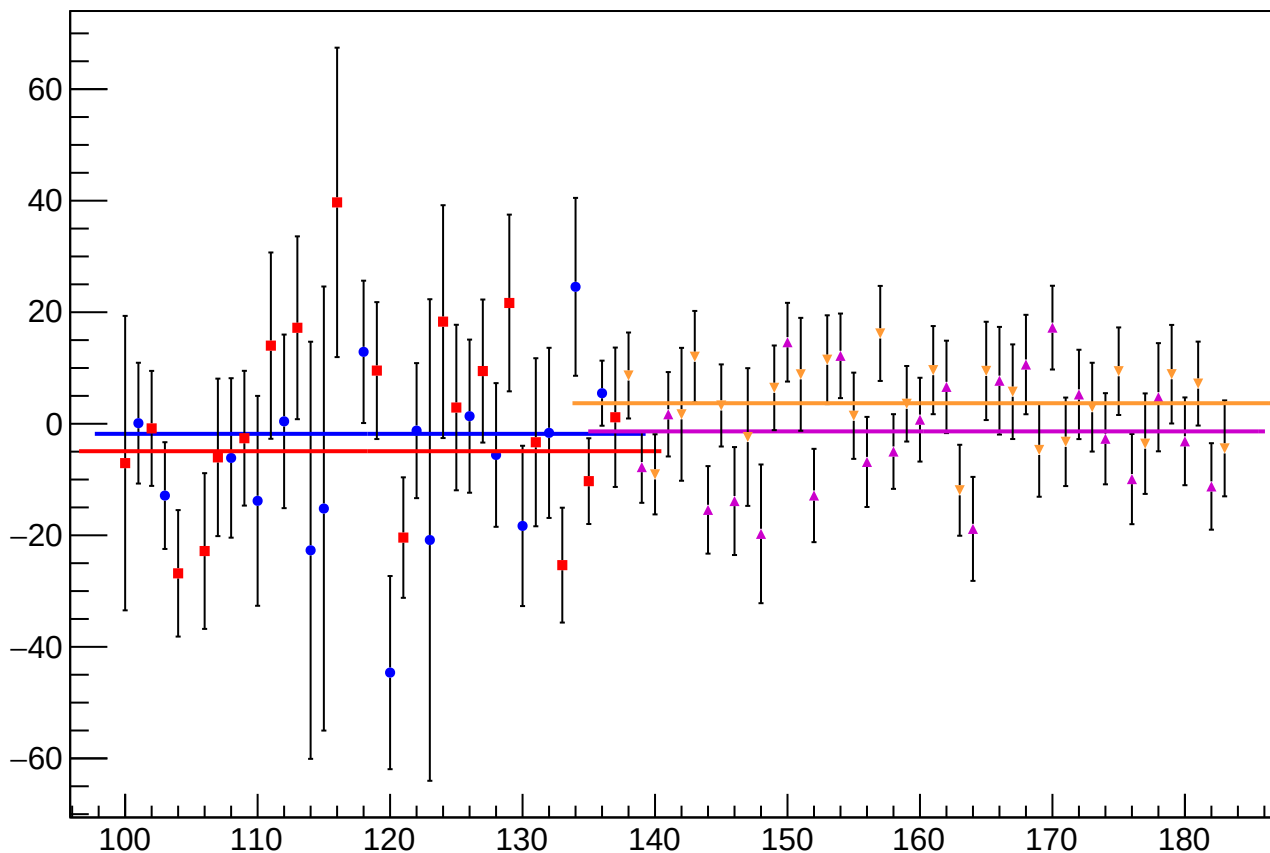
Right: 14192.864 $\pm$ 2.777 χ^2 /NDF: 1100124.5/35

In: 9781.386 $\pm$ 1.453 χ^2 /NDF:2120848.1/38

Out: 9758.242 $\pm$ 1.410 χ^2 /NDF:2504452.3/42

All: 9769.465 $\pm$ 1.012 χ^2 /NDF: 4625431.0/81

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.806 $\pm$ 3.112 χ^2/NDF : 15.7/16

Left Out: 3.684 $\pm$ 1.680 χ^2/NDF : 17.6/23

Right Out: -4.921 $\pm$ 2.968 χ^2/NDF : 25.0/18

Left In: -1.366 $\pm$ 1.718 χ^2/NDF : 36.4/21

Left: 1.216 $\pm$ 1.201 χ^2/NDF : 58.4/45

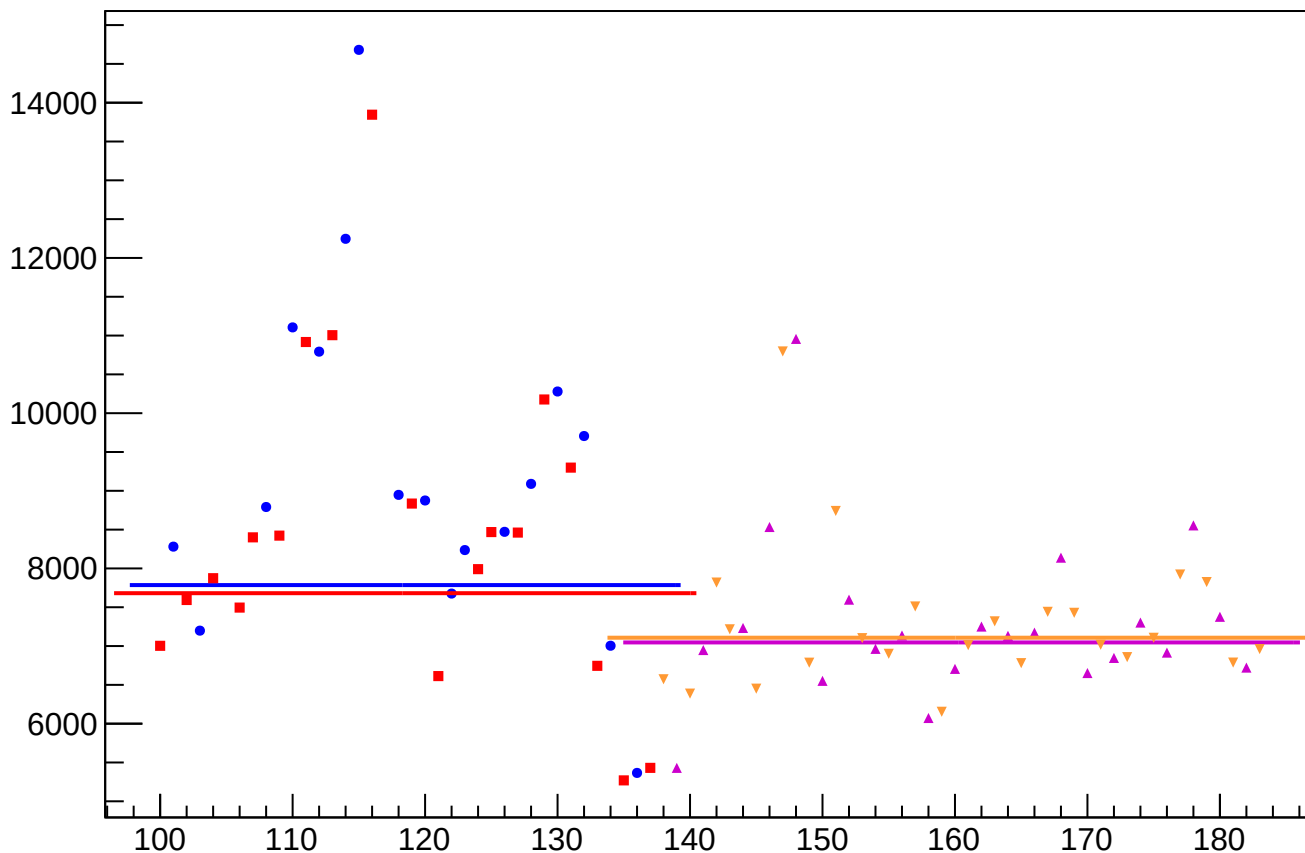
Right: -3.437 $\pm$ 2.148 χ^2/NDF : 41.2/35

In: -1.469 $\pm$ 1.504 χ^2/NDF : 52.2/38

Out: 1.597 $\pm$ 1.462 χ^2/NDF : 48.9/42

All: 0.108 $\pm$ 1.048 χ^2/NDF : 103.2/81

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.499+/-2.201 χ^2/NDF : 738102.3/16

Left Out: 7107.519+/-1.188 χ^2/NDF : 379119.6/23

Right Out: 7681.068+/-2.099 χ^2/NDF : 672729.8/18

Left In: 7046.629+/-1.215 χ^2/NDF : 535410.7/21

Left: 7077.768+/-0.849 χ^2/NDF : 915814.7/45

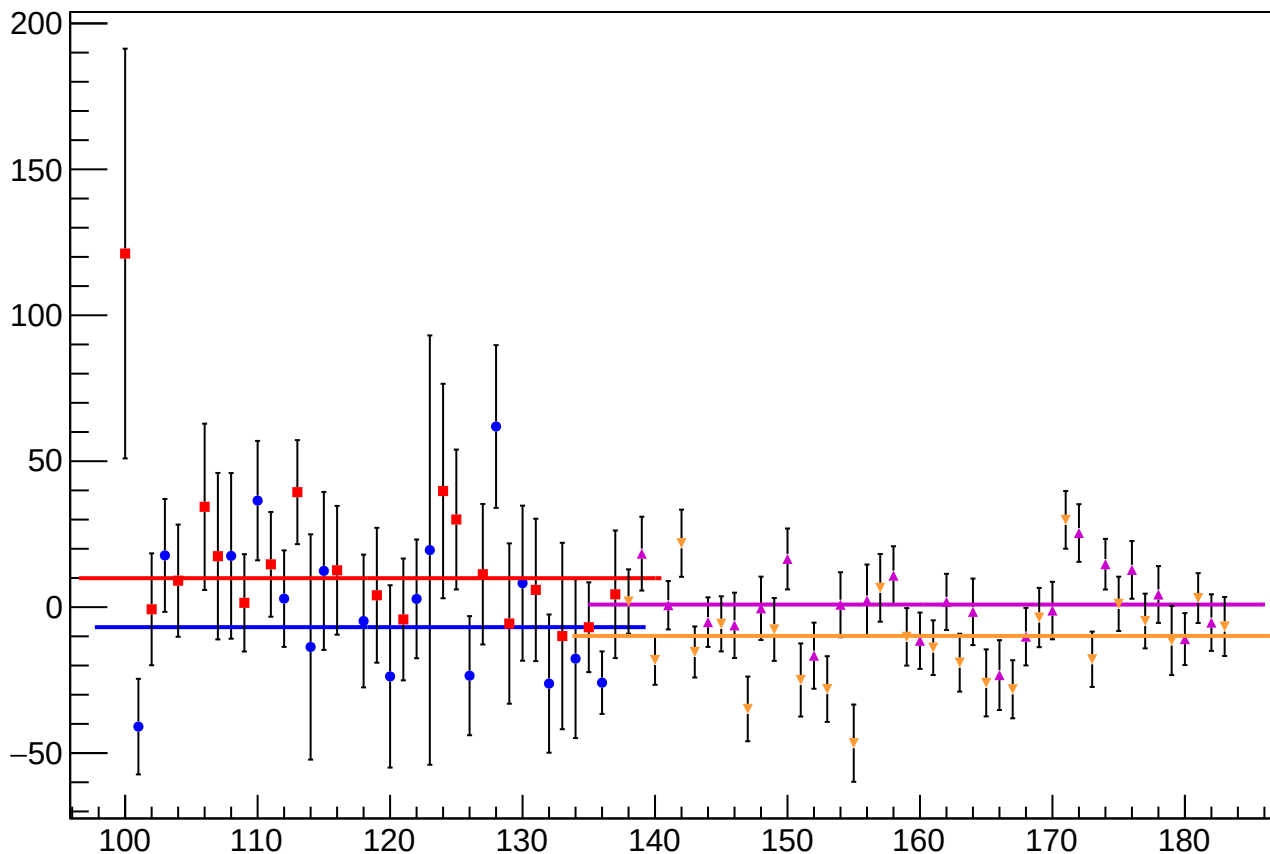
Right: 7730.818+/-1.519 χ^2/NDF : 1412011.3/35

In: 7219.241+/-1.064 χ^2/NDF : 1359908.4/38

Out: 7246.602+/-1.034 χ^2/NDF : 1108406.0/42

All: 7233.313+/-0.741 χ^2/NDF : 2468654.8/81

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.855 ± 5.113 χ^2/NDF : 23.8/16

Left Out: -9.862 ± 2.075 χ^2/NDF : 57.0/23

Right Out: 9.922 ± 5.084 χ^2/NDF : 10.6/18

Left In: 0.887 ± 2.146 χ^2/NDF : 28.0/21

Left: -4.669 ± 1.492 χ^2/NDF : 97.9/45

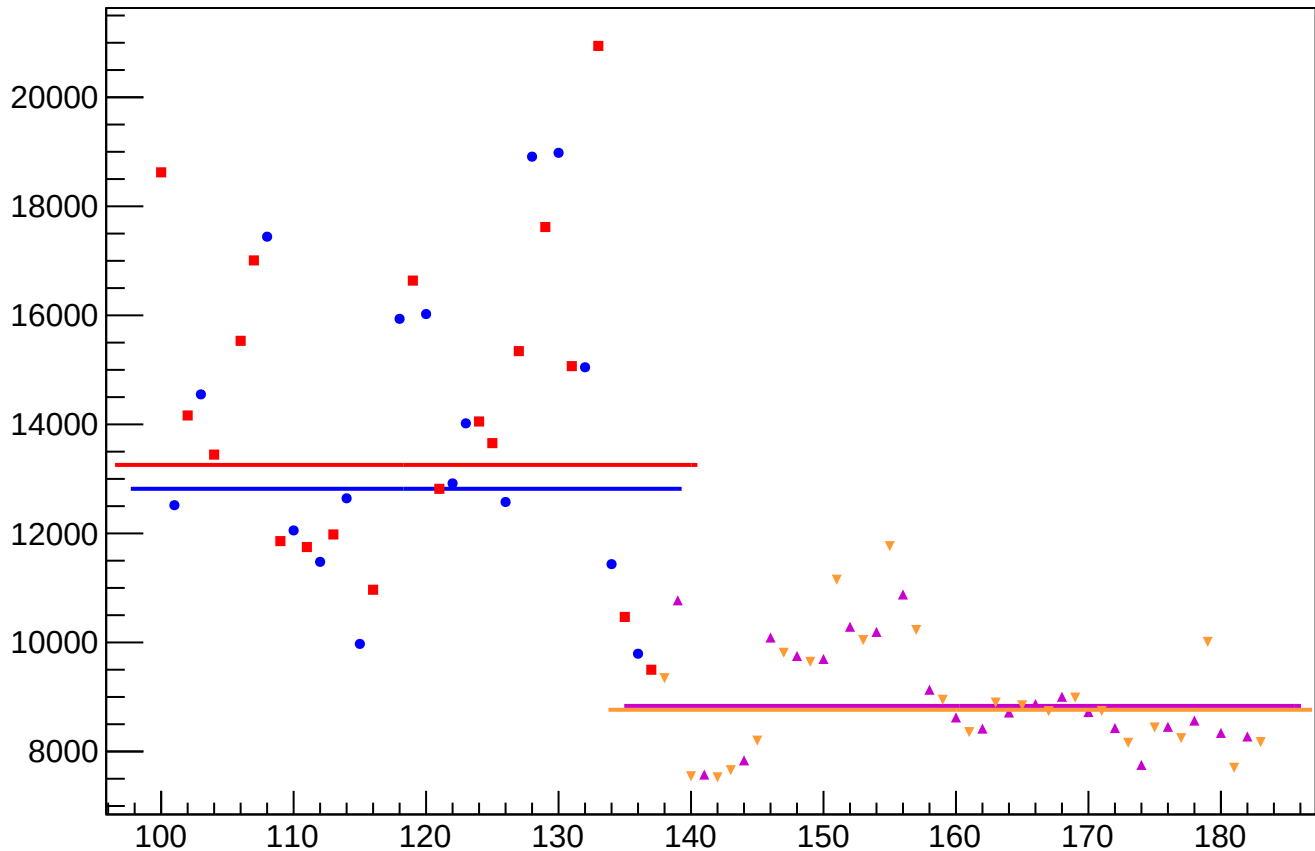
Right: 1.580 ± 3.605 χ^2/NDF : 39.8/35

In: -0.273 ± 1.979 χ^2/NDF : 53.7/38

Out: -7.037 ± 1.921 χ^2/NDF : 80.5/42

All: -3.755 ± 1.379 χ^2/NDF : 140.2/81

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12818.610 $\pm$ 3.615 χ^2 /NDF: 553065.0/16

Left Out: 8764.939 $\pm$ 1.467 χ^2 /NDF: 456007.4/23

Right Out: 13256.425 $\pm$ 3.595 χ^2 /NDF: 486011.2/18

Left In: 8835.383 $\pm$ 1.518 χ^2 /NDF: 350782.8/21

Left: 8798.972 $\pm$ 1.055 χ^2 /NDF: 807903.6/45

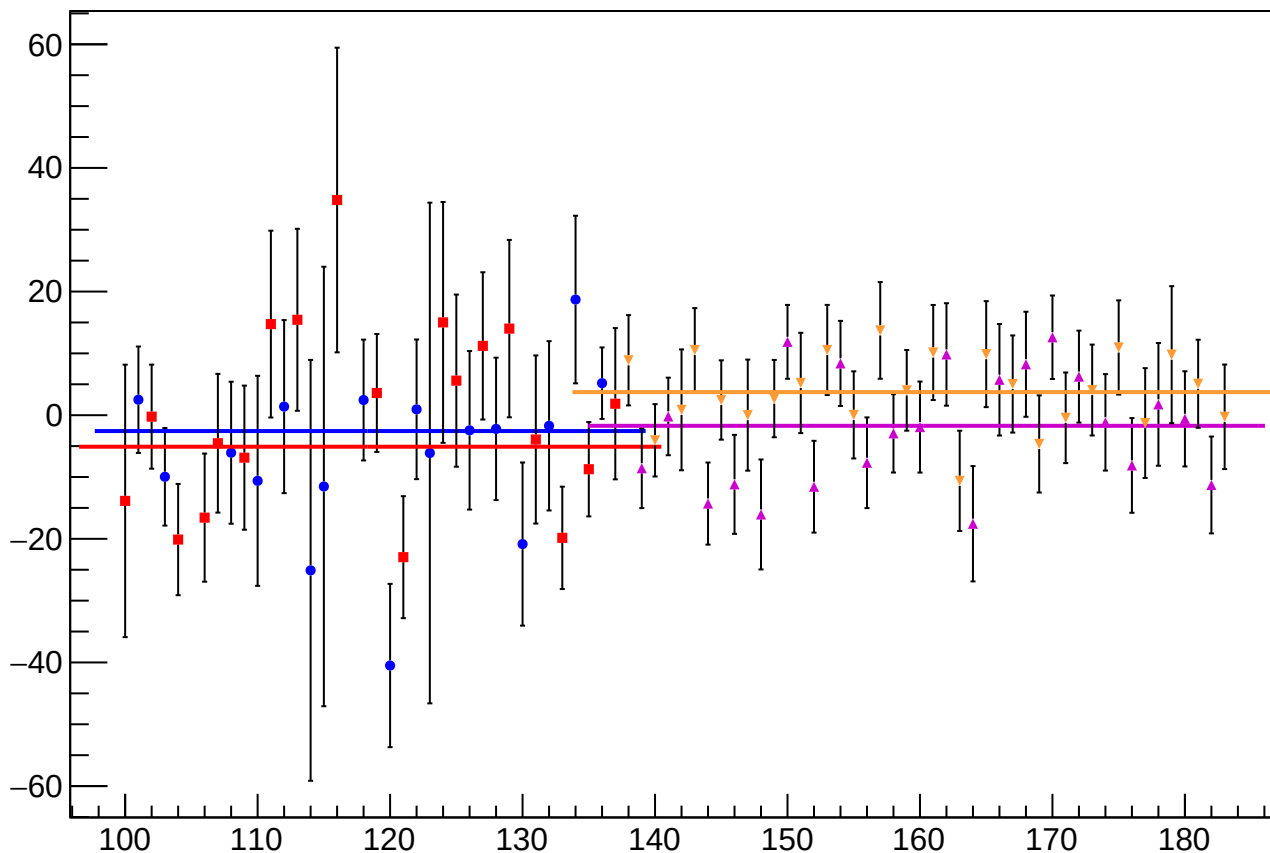
Right: 13038.746 $\pm$ 2.549 χ^2 /NDF: 1046449.6/35

In: 9432.176 $\pm$ 1.399 χ^2 /NDF: 1935805.4/38

Out: 9406.308 $\pm$ 1.359 χ^2 /NDF: 2279909.8/42

All: 9418.859 $\pm$ 0.975 χ^2 /NDF: 4215891.1/81

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.566 ± 2.752 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 3.731 ± 1.537 $\chi^2/\text{NDF}: 14.0/23$

Right Out: -5.098 ± 2.595 $\chi^2/\text{NDF}: 24.0/18$

Left In: -1.717 ± 1.584 $\chi^2/\text{NDF}: 33.4/21$

Left: 1.089 ± 1.103 $\chi^2/\text{NDF}: 53.5/45$

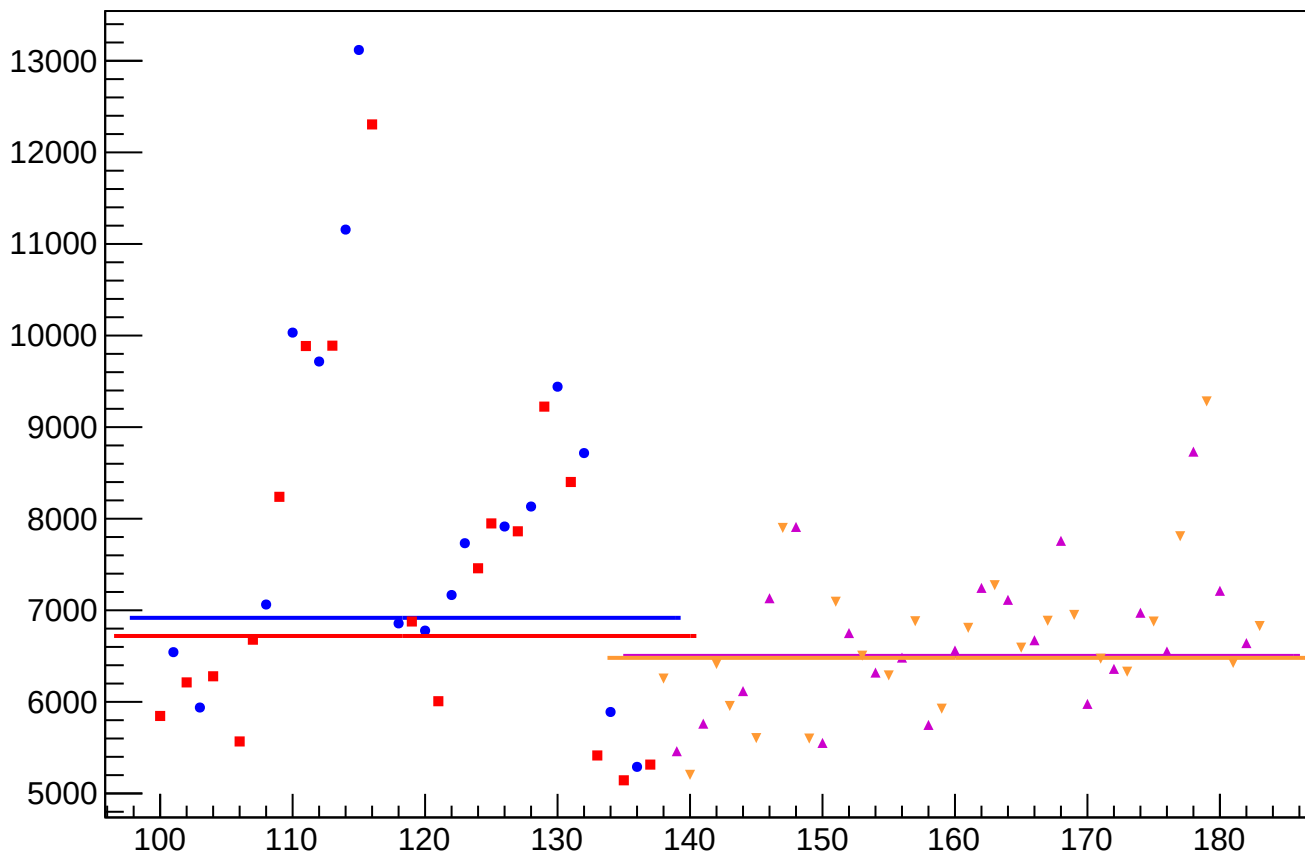
Right: -3.907 ± 1.888 $\chi^2/\text{NDF}: 41.3/35$

In: -1.929 ± 1.373 $\chi^2/\text{NDF}: 50.4/38$

Out: 1.438 ± 1.322 $\chi^2/\text{NDF}: 46.6/42$

All: -0.182 ± 0.952 $\chi^2/\text{NDF}: 100.1/81$

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6917.621 ± 1.946 $\chi^2/\text{NDF}: 588010.6/16$

Left Out: 6480.558 ± 1.087 $\chi^2/\text{NDF}: 486444.1/23$

Right Out: 6719.486 ± 1.835 $\chi^2/\text{NDF}: 657829.3/18$

Left In: 6501.988 ± 1.120 $\chi^2/\text{NDF}: 439511.3/21$

Left: 6490.949 ± 0.780 $\chi^2/\text{NDF}: 926143.9/45$

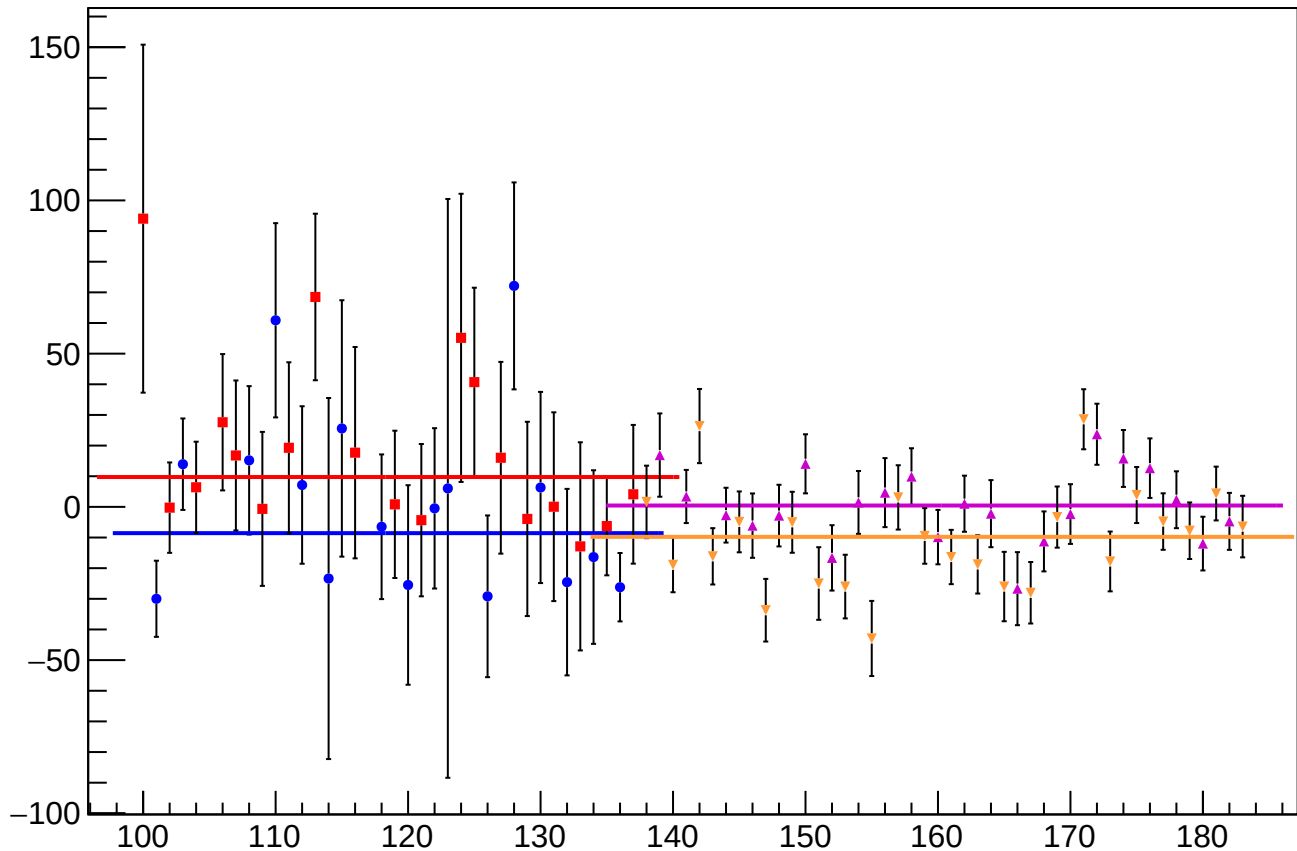
Right: 6812.726 ± 1.335 $\chi^2/\text{NDF}: 1251328.8/35$

In: 6605.437 ± 0.971 $\chi^2/\text{NDF}: 1061790.0/38$

Out: 6542.616 ± 0.935 $\chi^2/\text{NDF}: 1156829.0/42$

All: 6572.847 ± 0.673 $\chi^2/\text{NDF}: 2220791.4/81$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.571 ± 5.419 χ^2/NDF : 21.9/16

Left Out: -9.781 ± 2.027 χ^2/NDF : 58.7/23

Right Out: 9.742 ± 5.521 χ^2/NDF : 12.7/18

Left In: 0.442 ± 2.093 χ^2/NDF : 28.2/21

Left: -4.832 ± 1.456 χ^2/NDF : 99.2/45

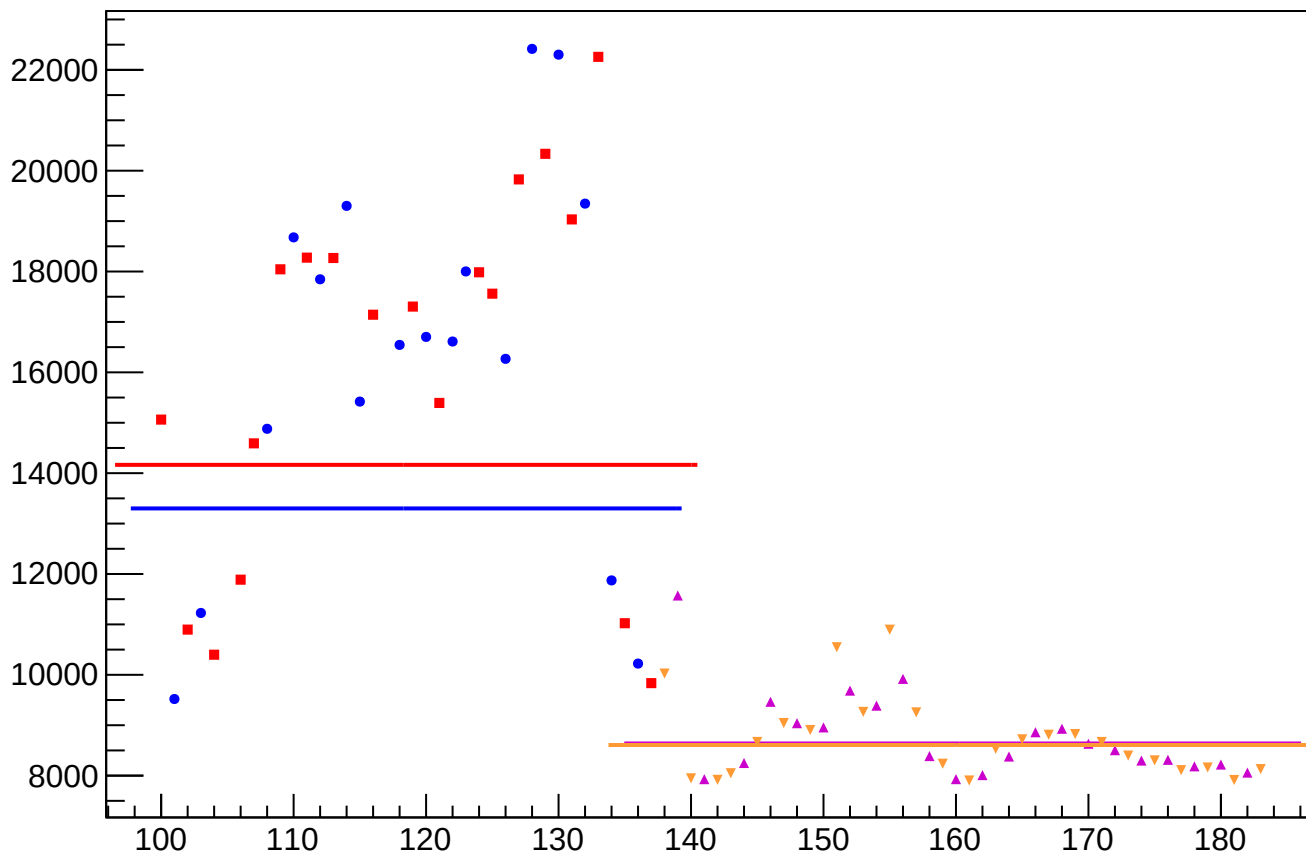
Right: 0.414 ± 3.867 χ^2/NDF : 40.2/35

In: -0.728 ± 1.952 χ^2/NDF : 52.5/38

Out: -7.461 ± 1.903 χ^2/NDF : 82.4/42

All: -4.180 ± 1.363 χ^2/NDF : 141.0/81

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13300.415 $\pm$ 3.832 χ^2 /NDF: 1048873.0/16

Left Out: 8607.594 $\pm$ 1.434 χ^2 /NDF:246734.2/23

Right Out: 14164.824 $\pm$ 3.904 χ^2 /NDF: 931262.5/18

Left In: 8637.794 $\pm$ 1.480 χ^2 /NDF:233564.7/21

Left: 8622.214 $\pm$ 1.030 χ^2 /NDF: 480513.8/45

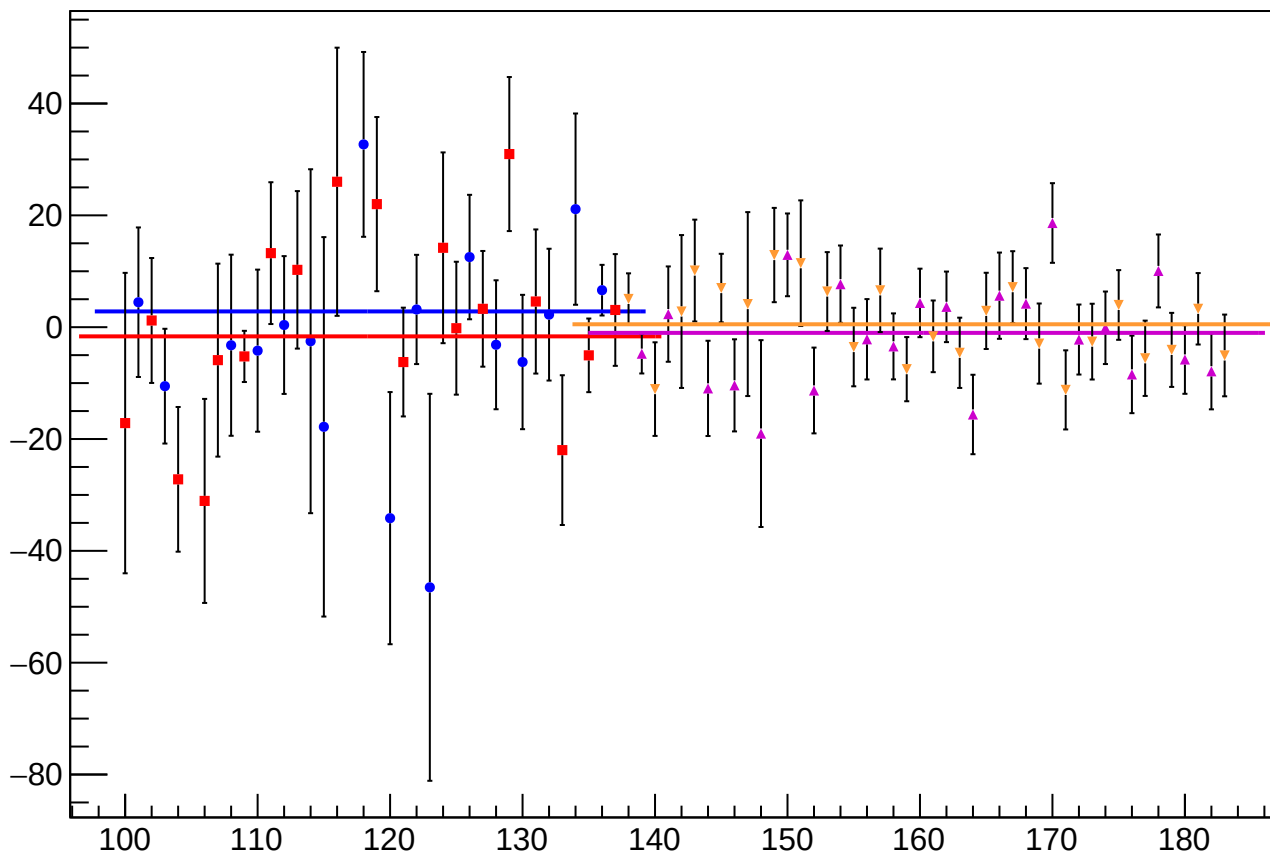
Right: 13724.540 $\pm$ 2.735 χ^2 /NDF: 2005107.5/35

In: 9243.093 $\pm$ 1.381 χ^2 /NDF:2571018.0/38

Out: 9267.982 $\pm$ 1.346 χ^2 /NDF:2963564.9/42

All: 9255.855 $\pm$ 0.964 χ^2 /NDF: 5534749.6/81

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.820 $\pm$ 2.762 χ^2/NDF : 14.0/16

Left Out: 0.521 $\pm$ 1.427 χ^2/NDF : 19.5/23

Right Out: -1.643 $\pm$ 2.447 χ^2/NDF : 23.3/18

Left In: -1.017 $\pm$ 1.407 χ^2/NDF : 32.5/21

Left: -0.259 $\pm$ 1.002 χ^2/NDF : 52.6/45

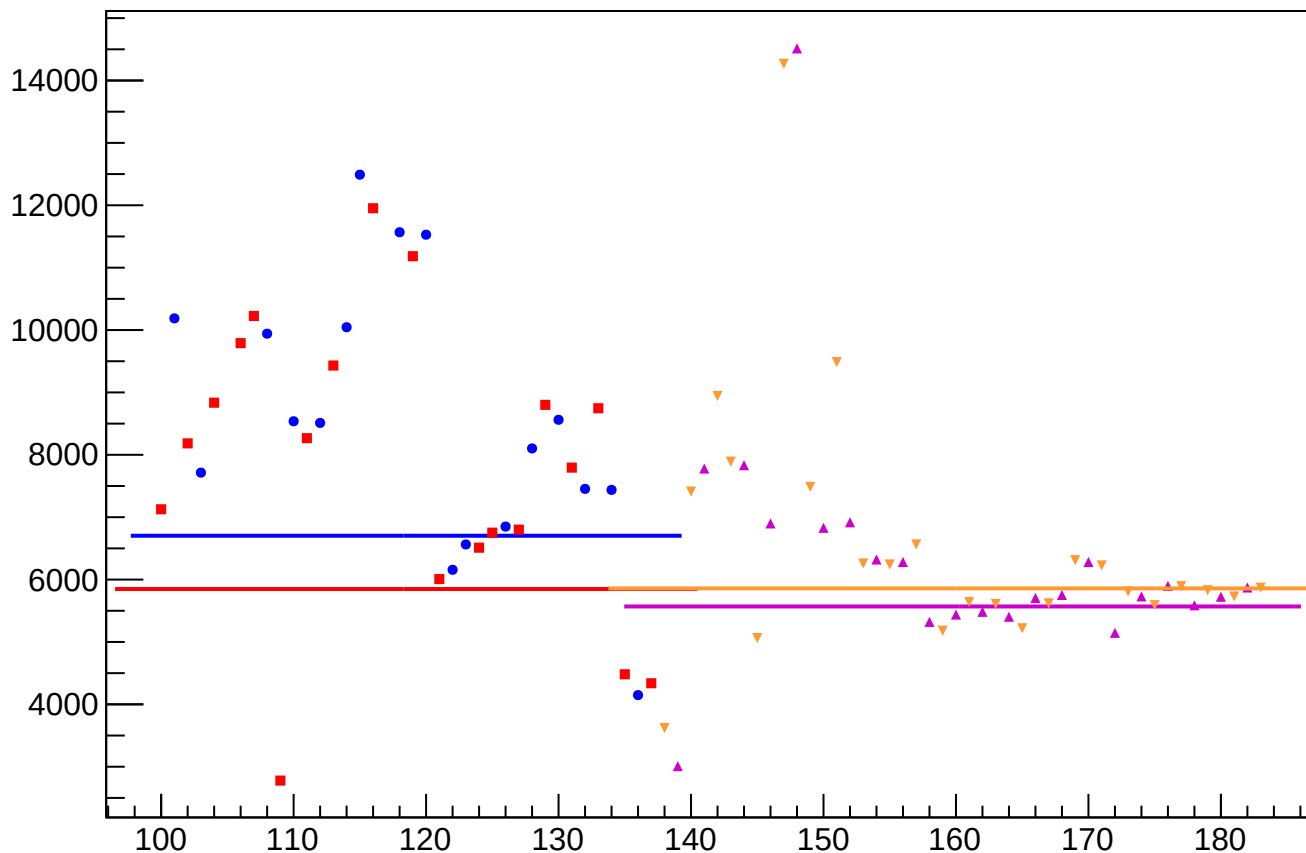
Right: 0.319 $\pm$ 1.832 χ^2/NDF : 38.7/35

In: -0.226 $\pm$ 1.254 χ^2/NDF : 48.0/38

Out: -0.028 $\pm$ 1.233 χ^2/NDF : 43.3/42

All: -0.125 $\pm$ 0.879 χ^2/NDF : 91.3/81

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.778 $\pm$ 1.953 χ^2 /NDF: 1389564.7/16

Left Out: 5858.553 $\pm$ 1.009 χ^2 /NDF:1689745.2/23

Right Out: 5848.805 $\pm$ 1.731 χ^2 /NDF: 2281985.9/18

Left In: 5568.936 $\pm$ 0.995 χ^2 /NDF:2162443.9/21

Left: 5711.707 $\pm$ 0.709 χ^2 /NDF: 3893938.4/45

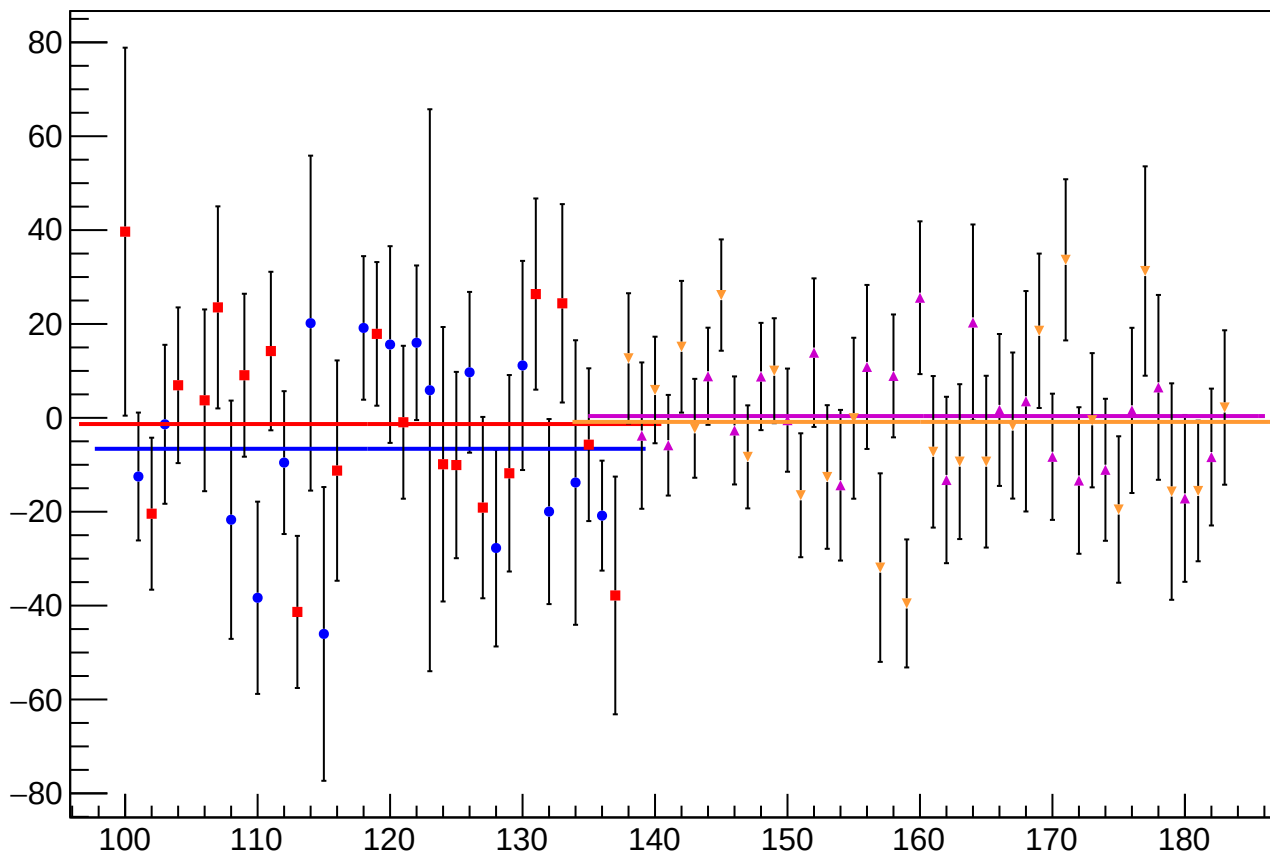
Right: 6224.325 $\pm$ 1.295 χ^2 /NDF: 3778631.4/35

In: 5802.592 $\pm$ 0.887 χ^2 /NDF:3819501.9/38

Out: 5856.079 $\pm$ 0.872 χ^2 /NDF:3971754.8/42

All: 5829.788 $\pm$ 0.622 χ^2 /NDF: 7793106.7/81

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.592 ± 4.559 χ^2/NDF : 15.7/16

Left Out: -0.863 ± 2.955 χ^2/NDF : 32.7/23

Right Out: -1.319 ± 4.382 χ^2/NDF : 20.1/18

Left In: 0.382 ± 3.083 χ^2/NDF : 11.2/21

Left: -0.267 ± 2.134 χ^2/NDF : 43.9/45

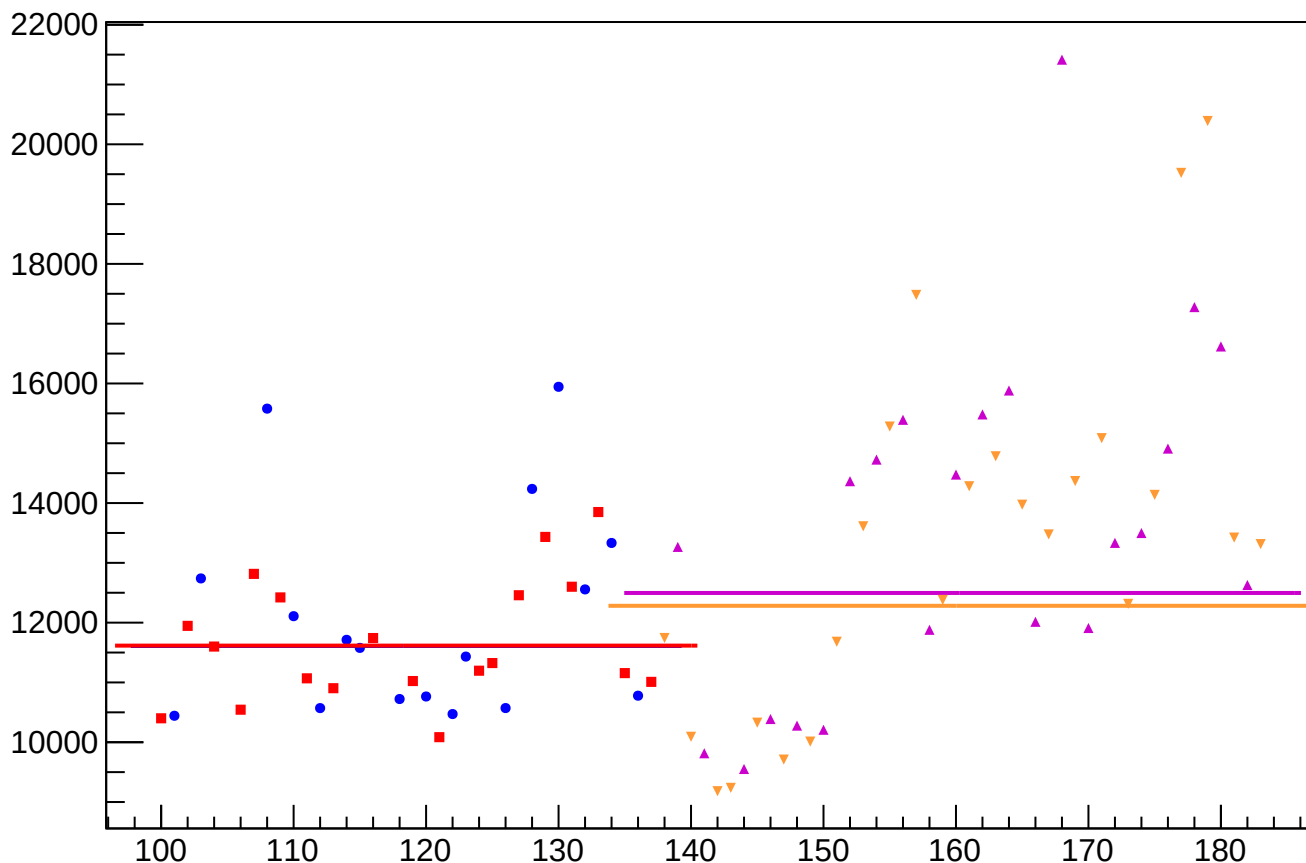
Right: -3.851 ± 3.160 χ^2/NDF : 36.4/35

In: -1.807 ± 2.554 χ^2/NDF : 28.4/38

Out: -1.005 ± 2.450 χ^2/NDF : 52.7/42

All: -1.389 ± 1.768 χ^2/NDF : 81.2/81

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11609.845 $\pm$ 3.224

χ^2/NDF : 238142.5/16

Left: 12384.505 $\pm$ 1.509 χ^2/NDF : 2862856.4/45

Right: 11612.817 $\pm$ 2.234 χ^2/NDF : 333747.4/35

Left Out: 12281.734 $\pm$ 2.090

χ^2/NDF : 1500169.7/23

In: 12218.154 $\pm$ 1.806 χ^2/NDF : 1647663.4/38

Right Out: 11615.563 $\pm$ 3.099

χ^2/NDF : 95603.2/18

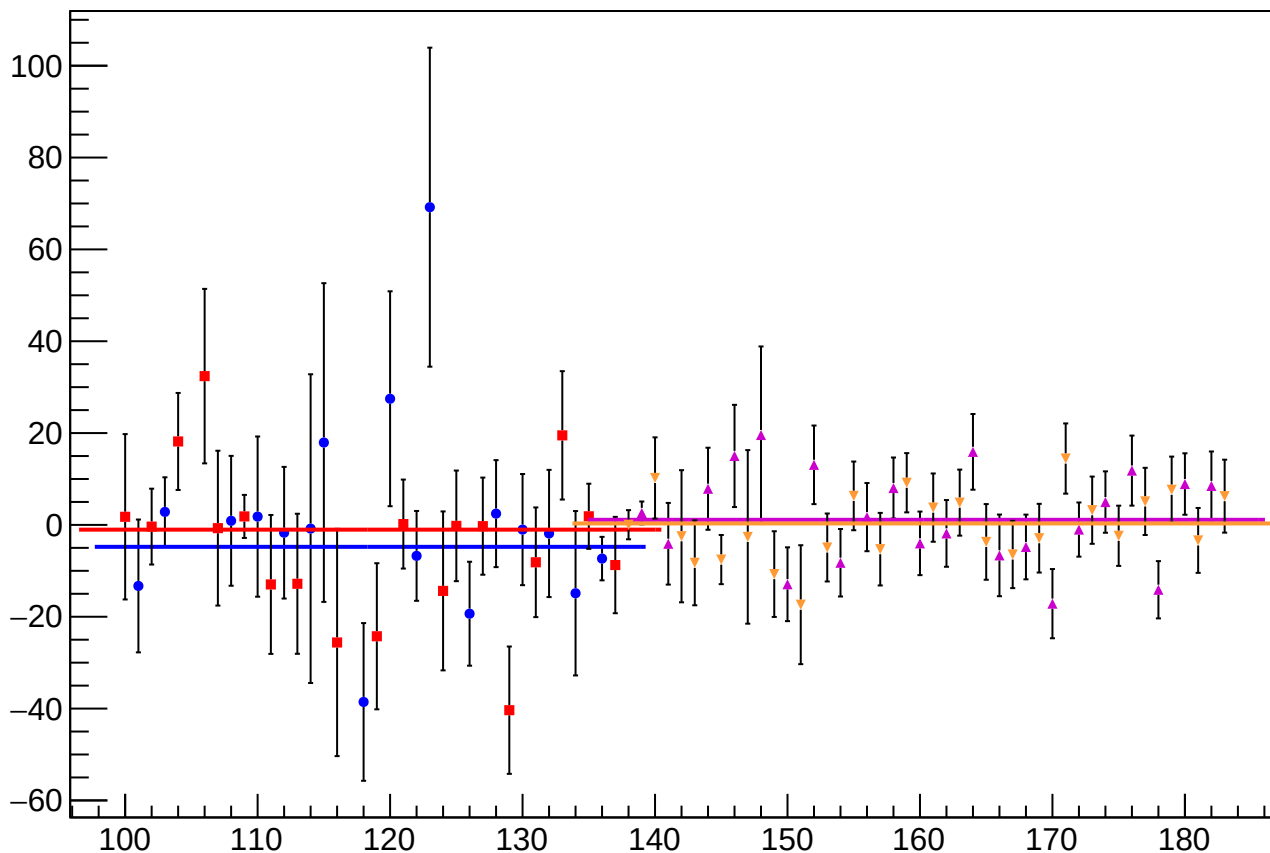
Out: 12073.473 $\pm$ 1.733 χ^2/NDF : 1627539.6/42

Left In: 12496.361 $\pm$ 2.180

χ^2/NDF : 1357636.3/21

All: 12142.814 $\pm$ 1.250 χ^2/NDF : 3278544.8/8

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.776 $\pm$ 2.787 χ^2/NDF : 15.3/16

Left Out: 0.314 $\pm$ 1.442 χ^2/NDF : 19.1/23

Right Out: -1.032 $\pm$ 2.434 χ^2/NDF : 23.0/18

Left In: 1.112 $\pm$ 1.381 χ^2/NDF : 33.5/21

Left: 0.730 $\pm$ 0.997 χ^2/NDF : 52.7/45

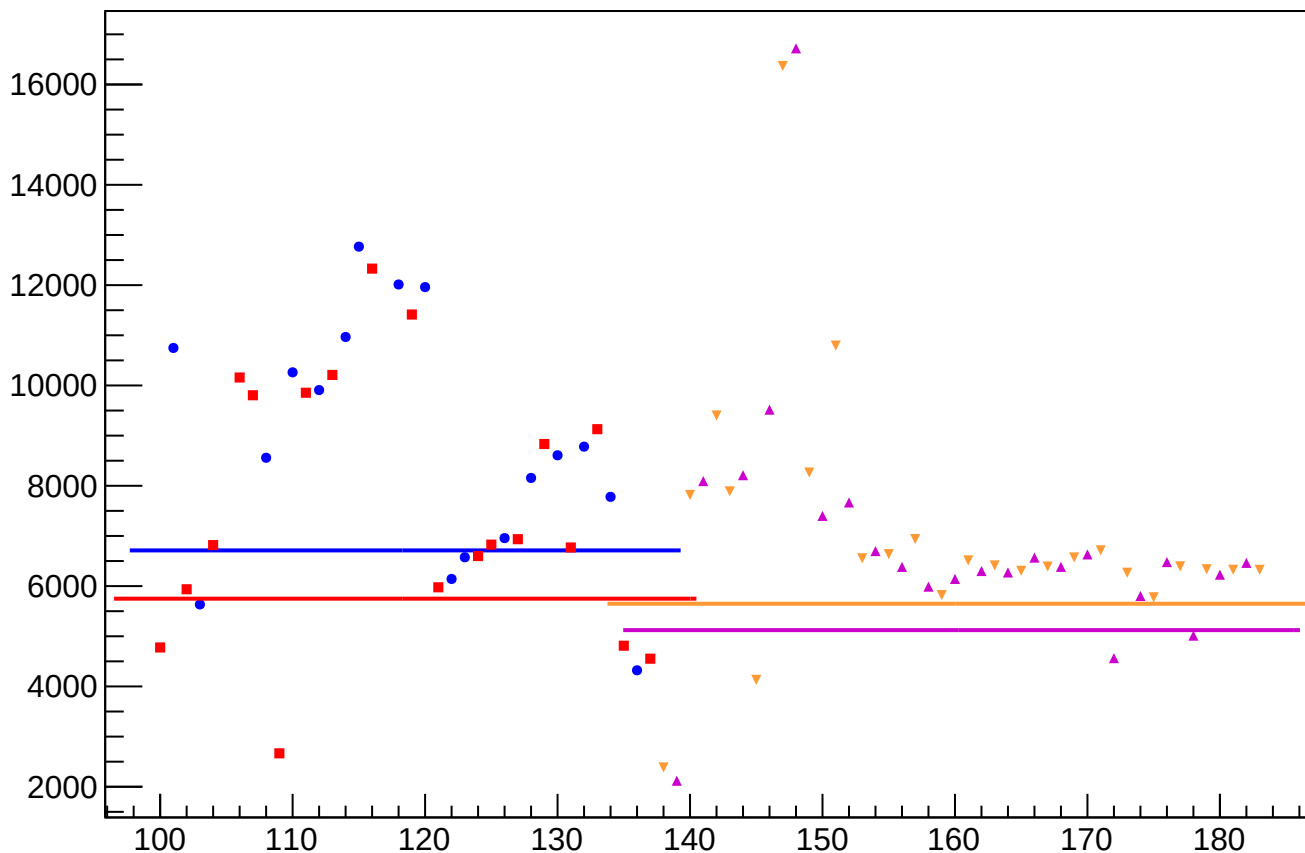
Right: -2.652 $\pm$ 1.833 χ^2/NDF : 39.3/35

In: -0.048 $\pm$ 1.237 χ^2/NDF : 52.4/38

Out: -0.036 $\pm$ 1.240 χ^2/NDF : 42.3/42

All: -0.042 $\pm$ 0.876 χ^2/NDF : 94.7/81

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.784+/-1.971 χ^2/NDF : 1446319.6/16

Left Out: 5648.710+/-1.019 χ^2/NDF : 4118973.3/23

Right Out: 5749.579+/-1.721 χ^2/NDF : 2167509.2/18

Left In: 5122.389+/-0.976 χ^2/NDF : 5477058.1/21

Left: 5374.164+/-0.705 χ^2/NDF : 9735065.7/45

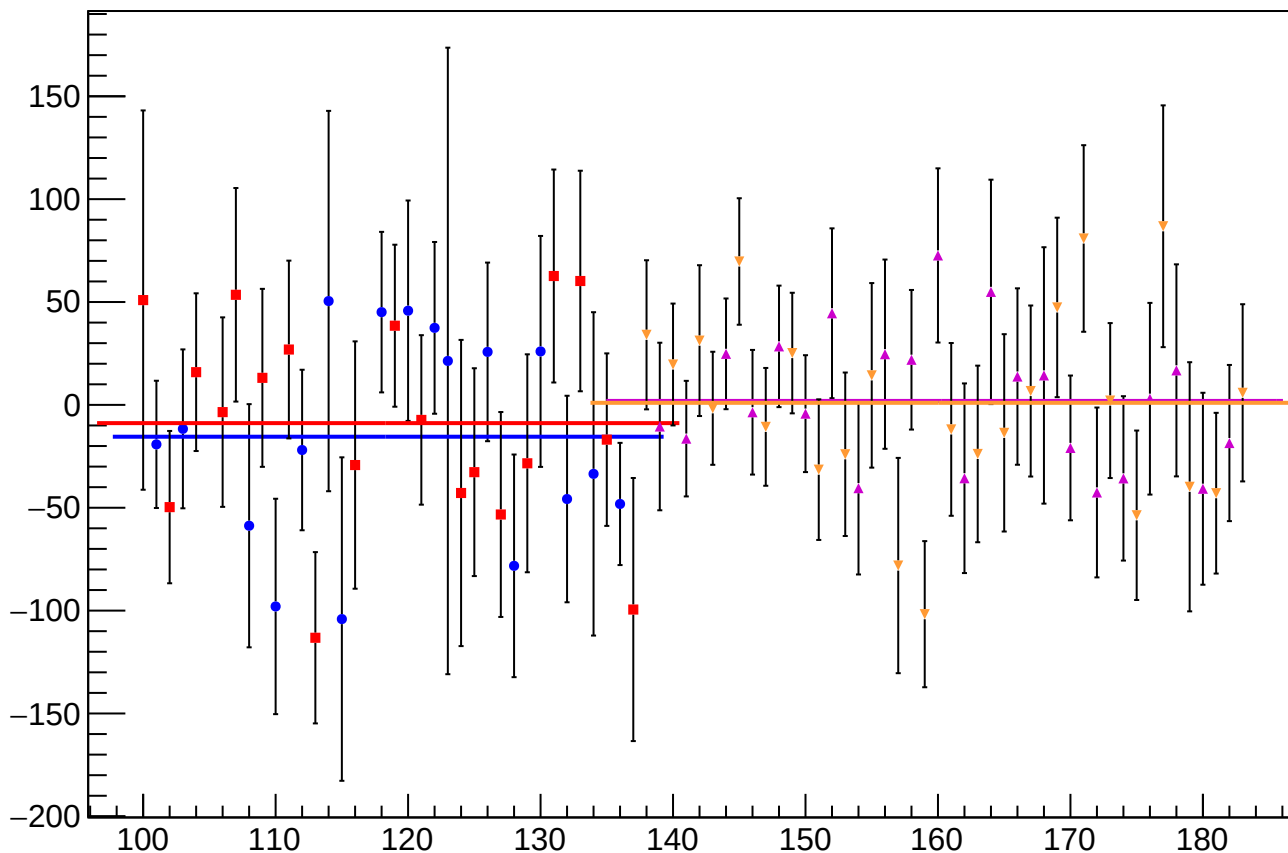
Right: 6165.779+/-1.296 χ^2/NDF : 3749071.1/35

In: 5435.522+/-0.875 χ^2/NDF : 7445557.5/38

Out: 5674.915+/-0.877 χ^2/NDF : 6289025.8/42

All: 5554.909+/-0.619 χ^2/NDF : 13771927.3/80

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -15.474 ± 11.317 χ^2/NDF : 14.7/16

Left Out: 1.007 ± 7.728 χ^2/NDF : 30.2/23

Right Out: -8.865 ± 10.914 χ^2/NDF : 19.3/18

Left In: 1.925 ± 8.058 χ^2/NDF : 13.0/21

Left: 1.447 ± 5.578 χ^2/NDF : 43.2/45

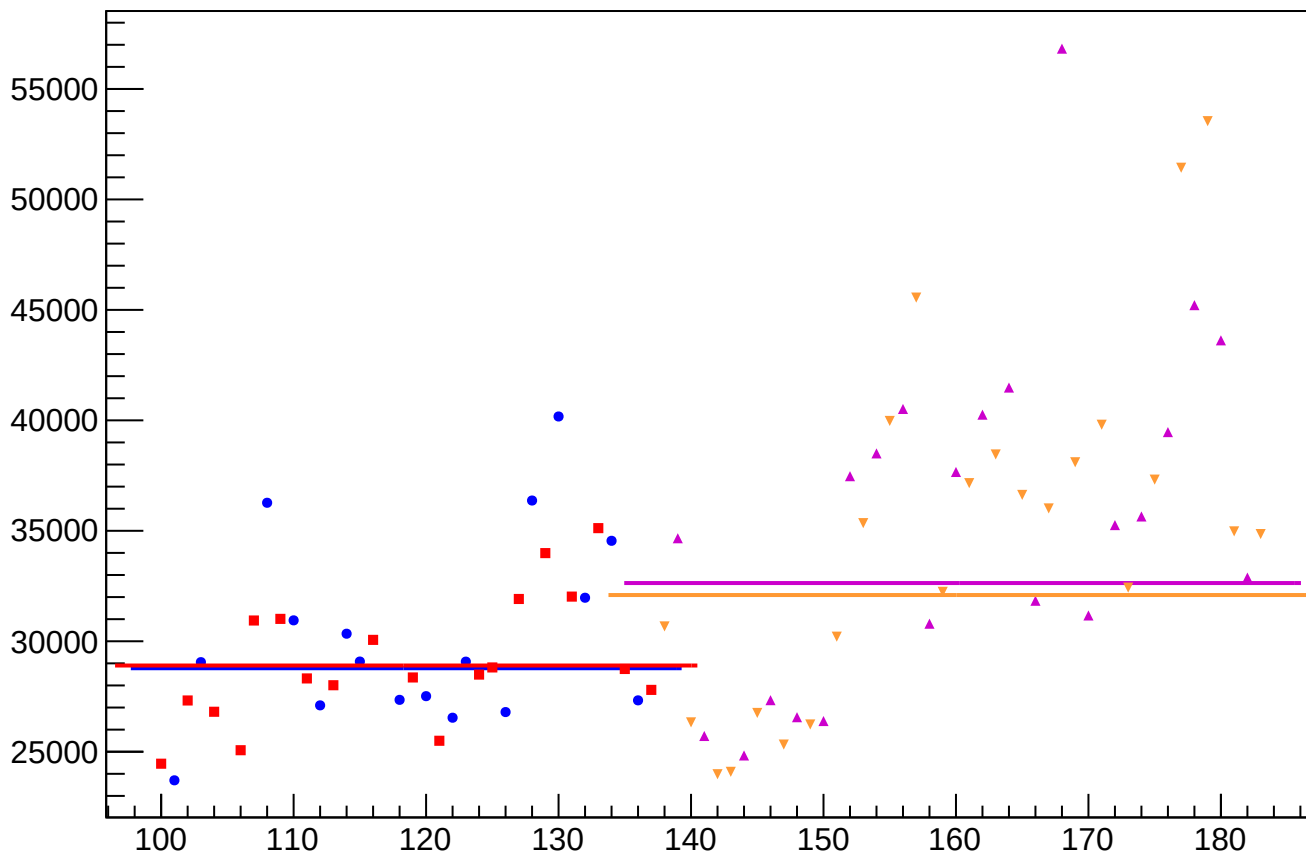
Right: -12.049 ± 7.856 χ^2/NDF : 34.1/35

In: -3.928 ± 6.564 χ^2/NDF : 29.2/38

Out: -2.290 ± 6.307 χ^2/NDF : 50.0/42

All: -3.076 ± 4.548 χ^2/NDF : 79.3/81

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28779.223 ± 8.003 $\chi^2/\text{NDF}: 252972.7/16$

Left Out: 32092.701 ± 5.465 $\chi^2/\text{NDF}: 1535536.0/23$

Right Out: 28902.401 ± 7.717 $\chi^2/\text{NDF}: 112698.1/18$

Left In: 32635.484 ± 5.698 $\chi^2/\text{NDF}: 1402103.1/21$

Left: 32352.754 ± 3.944 $\chi^2/\text{NDF}: 2942365.9/45$

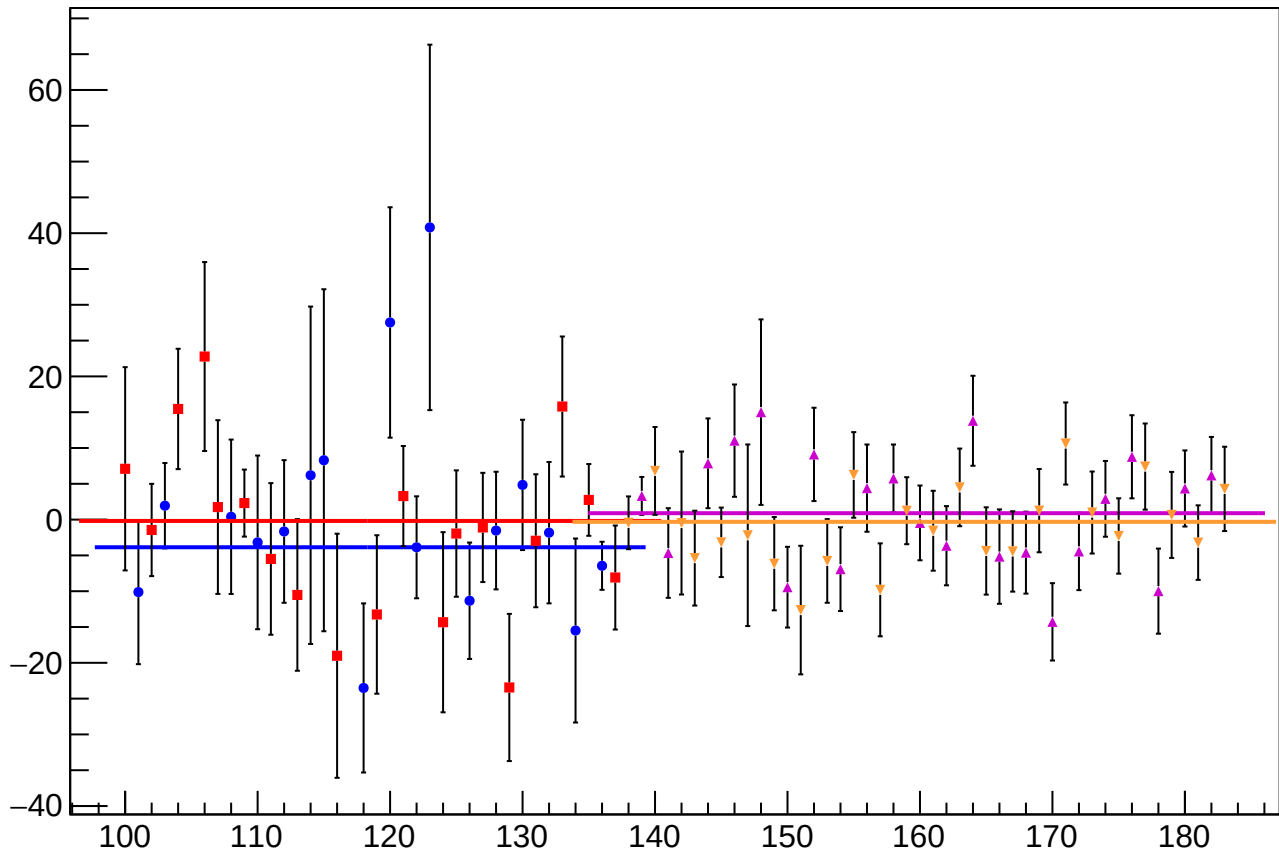
Right: 28843.046 ± 5.555 $\chi^2/\text{NDF}: 365793.6/35$

In: 31338.200 ± 4.642 $\chi^2/\text{NDF}: 1809166.6/38$

Out: 31027.275 ± 4.460 $\chi^2/\text{NDF}: 1762059.9/42$

All: 31176.529 ± 3.216 $\chi^2/\text{NDF}: 3573559.7/80$

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.861 ± 2.014 χ^2/NDF : 14.9/16

Left Out: -0.307 ± 1.181 χ^2/NDF : 17.6/23

Right Out: -0.185 ± 1.897 χ^2/NDF : 21.9/18

Left In: 0.897 ± 1.153 χ^2/NDF : 36.2/21

Left: 0.309 ± 0.825 χ^2/NDF : 54.3/45

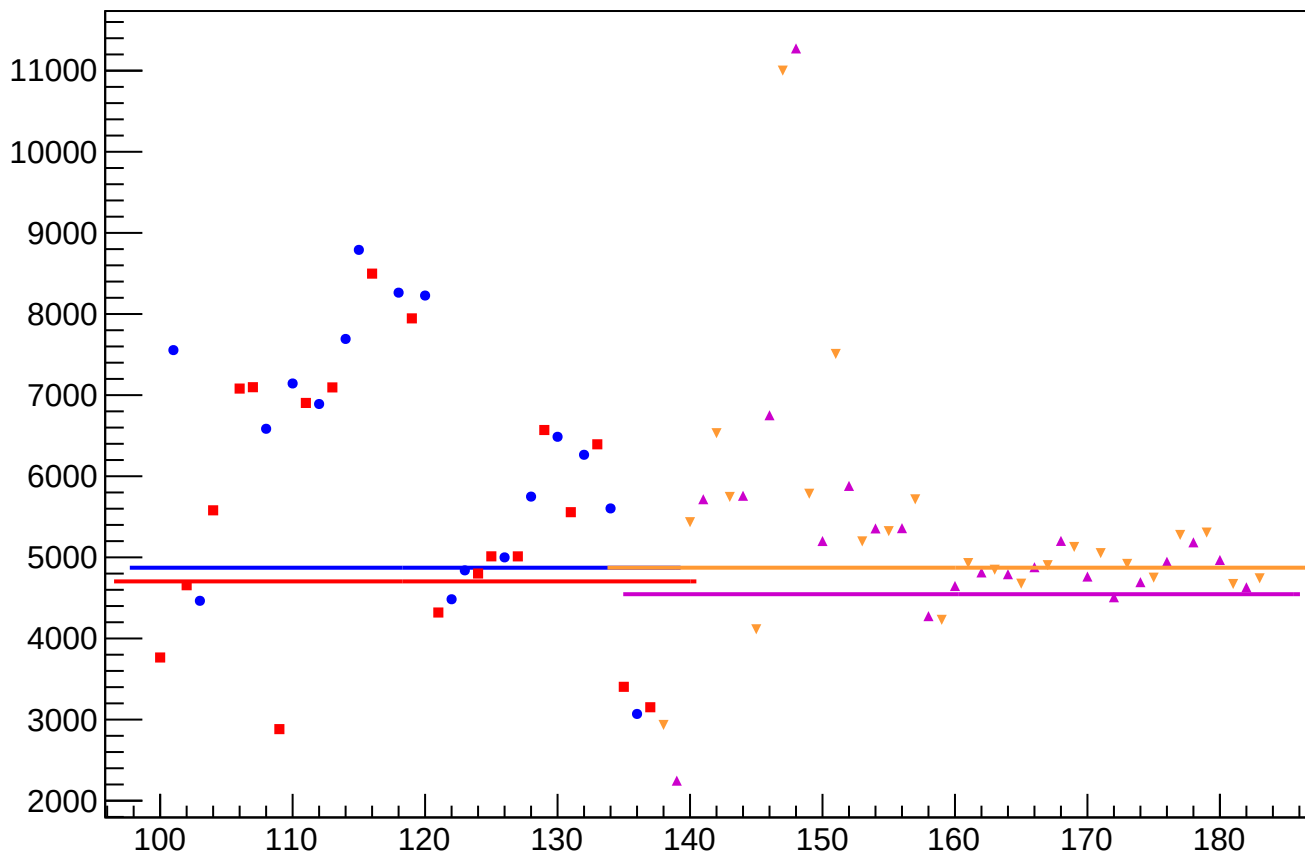
Right: -1.913 ± 1.381 χ^2/NDF : 38.6/35

In: -0.278 ± 1.001 χ^2/NDF : 55.3/38

Out: -0.273 ± 1.003 χ^2/NDF : 39.5/42

All: -0.276 ± 0.708 χ^2/NDF : 94.8/81

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.339+/-1.424 χ^2/NDF : 1404599.6/16

Left Out: 4872.643+/-0.835 χ^2/NDF : 1509638.4/23

Right Out: 4703.667+/-1.341 χ^2/NDF : 1315659.7/18

Left In: 4545.865+/-0.815 χ^2/NDF : 2634123.8/21

Left: 4705.314+/-0.583 χ^2/NDF : 4222167.1/45

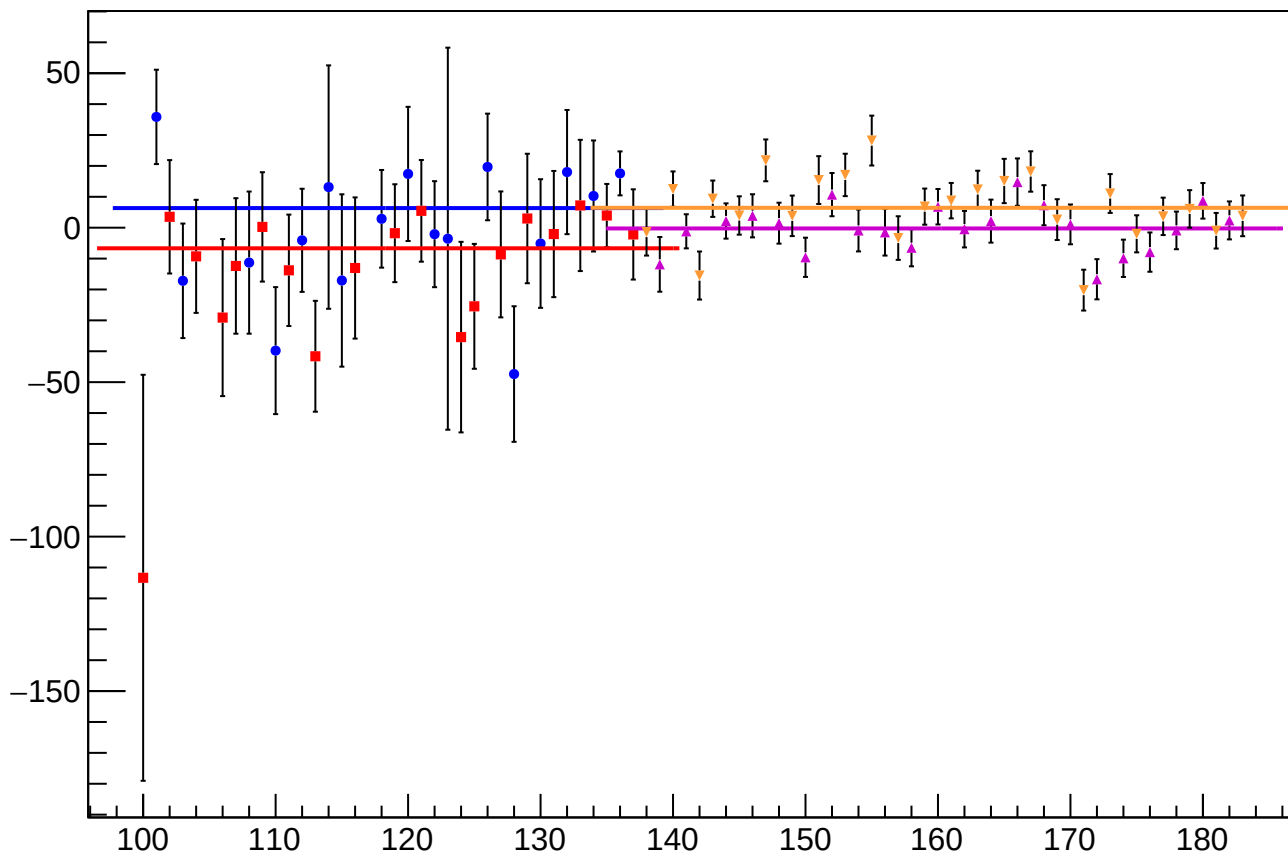
Right: 4782.958+/-0.976 χ^2/NDF : 2727693.9/35

In: 4626.448+/-0.707 χ^2/NDF : 4078311.0/38

Out: 4825.436+/-0.709 χ^2/NDF : 2836736.2/42

All: 4725.740+/-0.501 χ^2/NDF : 6954521.4/81

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.348 ± 4.088 χ^2/NDF : 22.4/16

Left Out: 6.438 ± 1.320 χ^2/NDF : 55.7/23

Right Out: -6.668 ± 4.232 χ^2/NDF : 12.2/18

Left In: -0.248 ± 1.366 χ^2/NDF : 27.9/21

Left: 3.210 ± 0.949 χ^2/NDF : 96.0/45

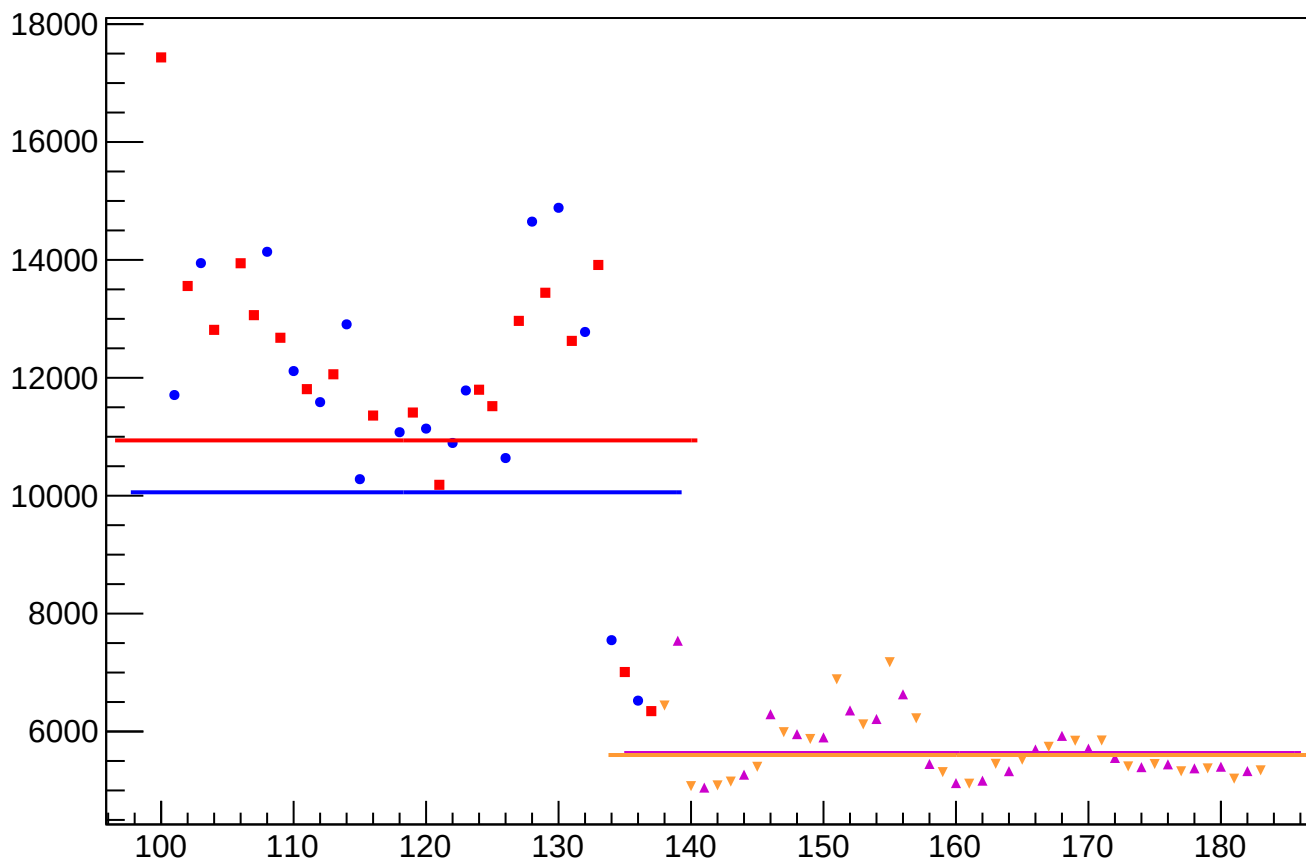
Right: 0.065 ± 2.941 χ^2/NDF : 39.6/35

In: 0.415 ± 1.296 χ^2/NDF : 52.7/38

Out: 5.276 ± 1.260 χ^2/NDF : 76.7/42

All: 2.913 ± 0.903 χ^2/NDF : 136.7/81

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10057.738 $\pm$ 2.891 χ^2/NDF : 1007657.1/16

Left Out: 5601.145 $\pm$ 0.934 χ^2/NDF : 282275.3/23

Right Out: 10938.028 $\pm$ 2.993 χ^2/NDF : 764124.4/18

Left In: 5634.992 $\pm$ 0.966 χ^2/NDF : 275983.1/21

Left: 5617.489 $\pm$ 0.671 χ^2/NDF : 558893.1/45

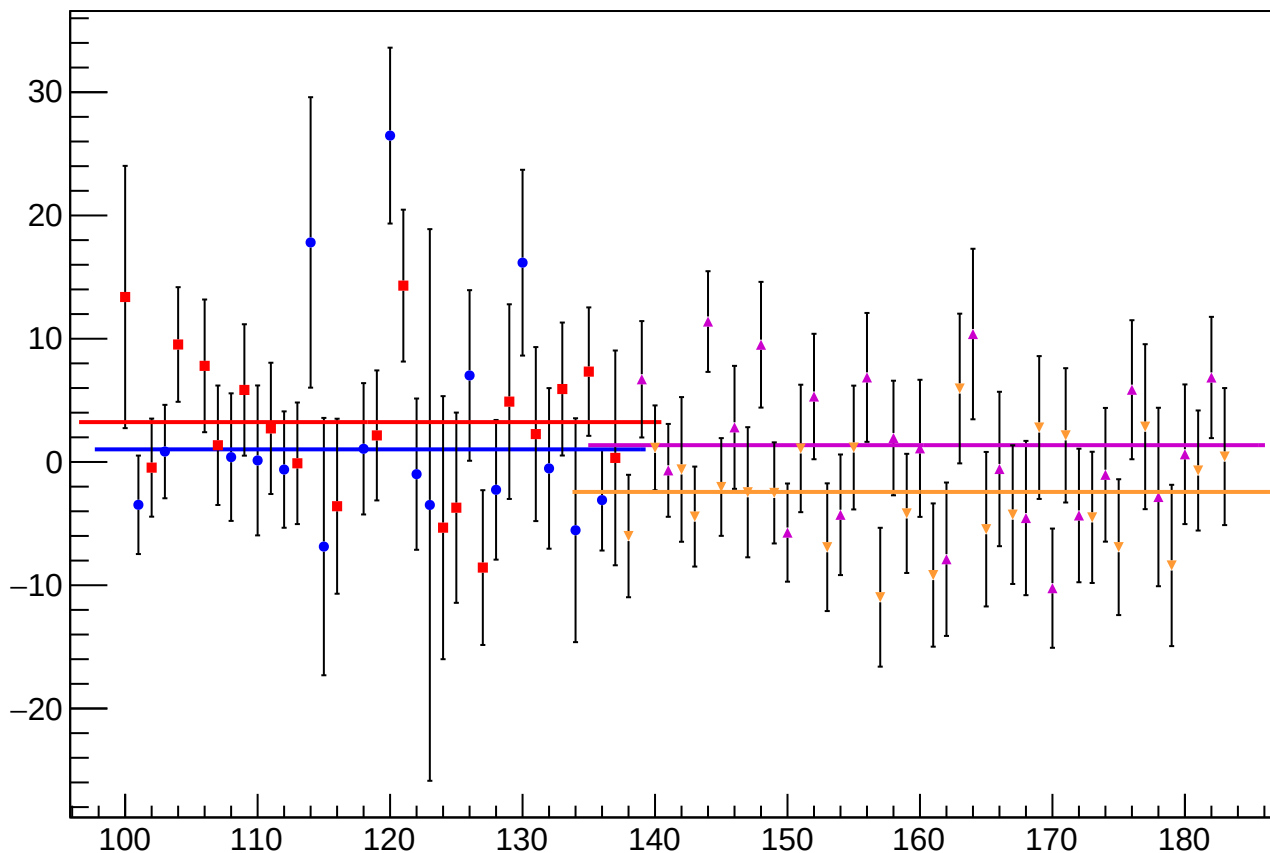
Right: 10482.673 $\pm$ 2.079 χ^2/NDF : 1816537.6/35

In: 6079.228 $\pm$ 0.916 χ^2/NDF : 3388956.1/38

Out: 6074.419 $\pm$ 0.891 χ^2/NDF : 3944563.0/42

All: 6076.757 $\pm$ 0.639 χ^2/NDF : 7333533.3/81

diff_bpm16Y_mean vs Slug, Sign Corrected



Left: -0.623 +/- 0.751 χ^2/NDF : 50.9/45

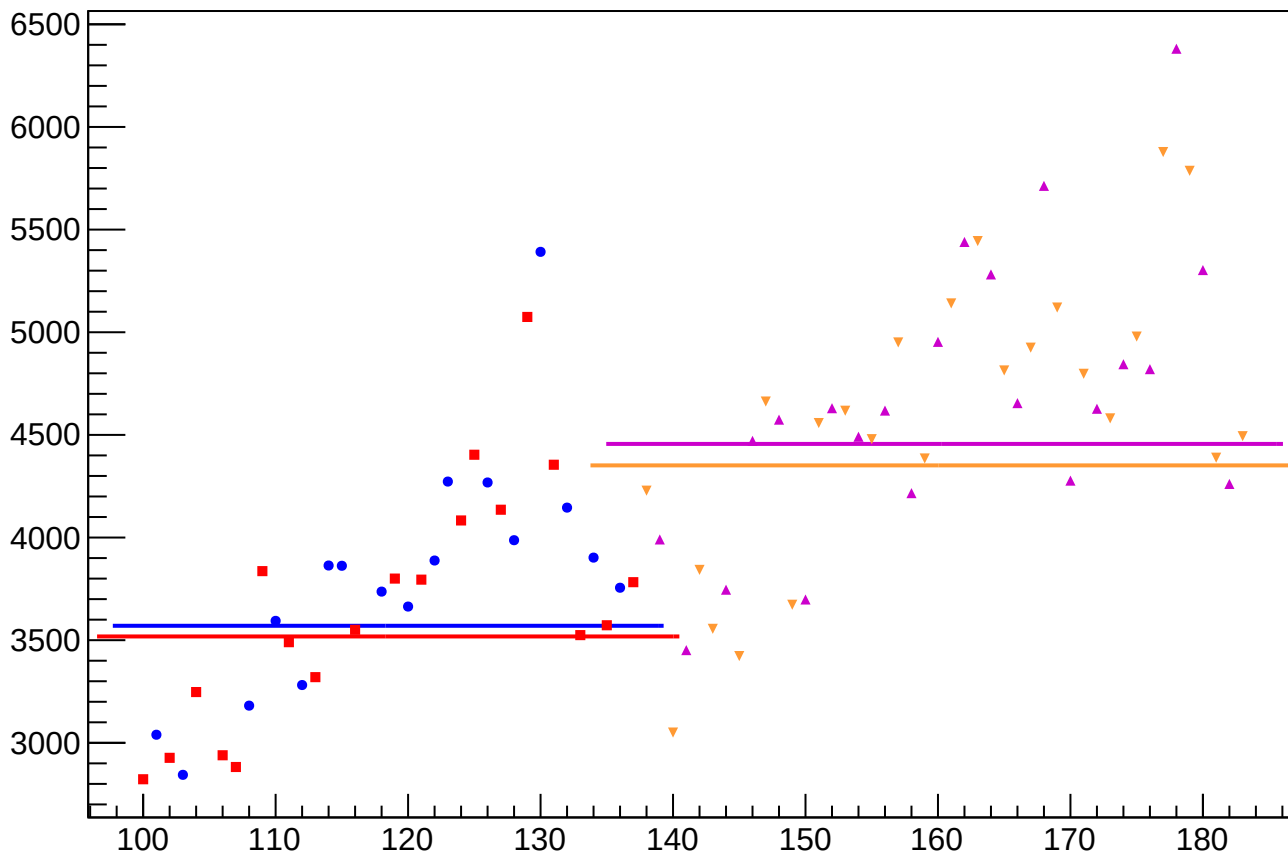
Right: 2.186 +/- 0.968 χ^2/NDF : 40.3/35

In: 1.236 +/- 0.861 χ^2/NDF : 54.3/38

Out: -0.297 +/- 0.820 χ^2/NDF : 40.5/42

All: 0.432 +/- 0.594 χ^2/NDF : 96.5/81

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.193 $\pm$ 0.994 χ^2 /NDF: 310317.2/16

Left Out: 4351.469 $\pm$ 0.734 χ^2 /NDF:996474.5/23

Right Out: 3518.219 $\pm$ 0.944 χ^2 /NDF: 296342.1/18

Left In: 4456.048 $\pm$ 0.770 χ^2 /NDF:694921.0/21

Left: 4401.281 $\pm$ 0.531 χ^2 /NDF: 1701064.1/45

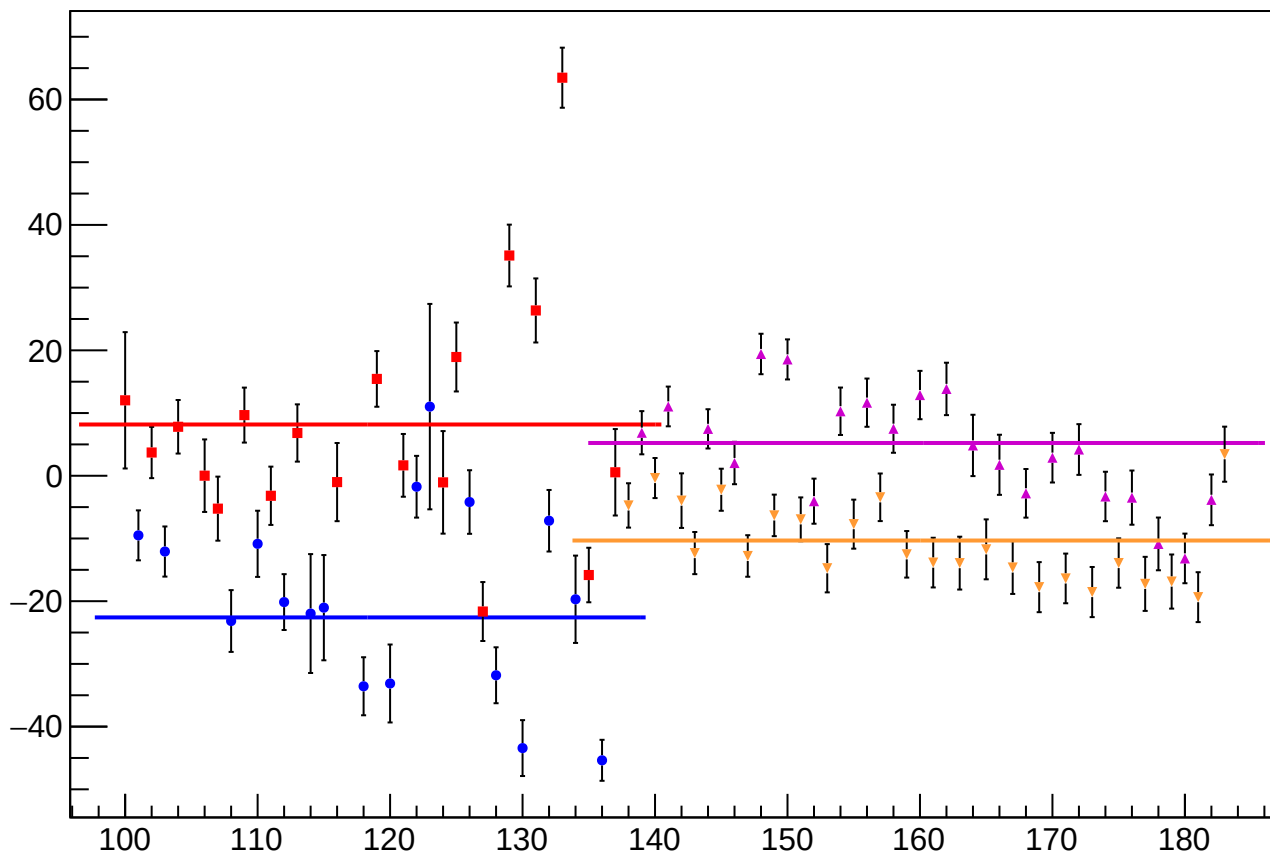
Right: 3542.887 $\pm$ 0.685 χ^2 /NDF: 608096.5/35

In: 4123.881 $\pm$ 0.608 χ^2 /NDF:1501964.8/38

Out: 4037.715 $\pm$ 0.580 χ^2 /NDF:1778054.8/42

All: 4078.702 $\pm$ 0.420 χ^2 /NDF: 3290533.4/81

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.588 +/- 1.203 χ^2/NDF : 151.6/16

Left Out: -10.326 +/- 0.780 χ^2/NDF : 62.3/23

Right Out: 8.176 +/- 1.159 χ^2/NDF : 275.9/18

Left In: 5.227 +/- 0.803 χ^2/NDF : 116.9/21

Left: -2.773 +/- 0.559 χ^2/NDF : 372.2/45

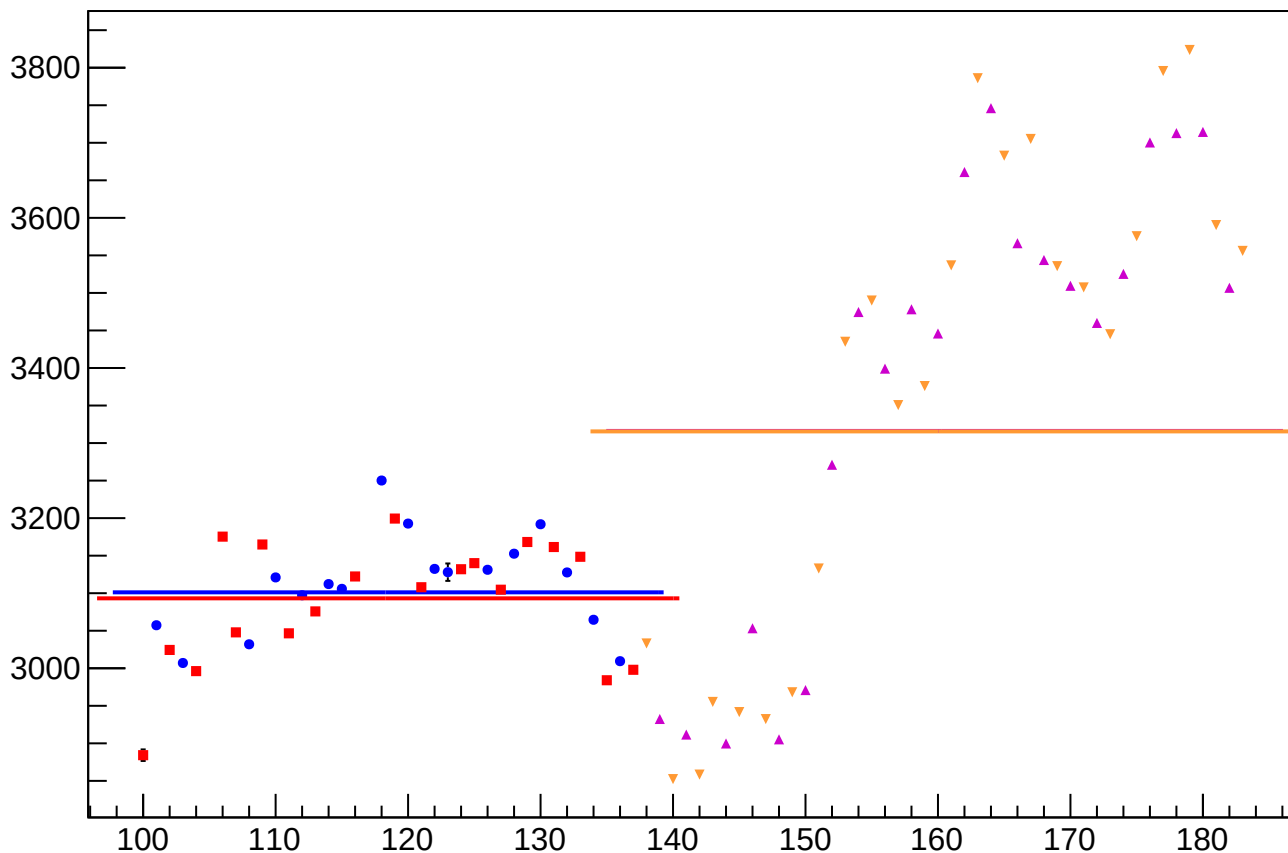
Right: -6.636 +/- 0.834 χ^2/NDF : 766.8/35

In: -3.346 +/- 0.668 χ^2/NDF : 638.5/38

Out: -4.557 +/- 0.647 χ^2/NDF : 513.6/42

All: -3.971 +/- 0.465 χ^2/NDF : 1153.8/81

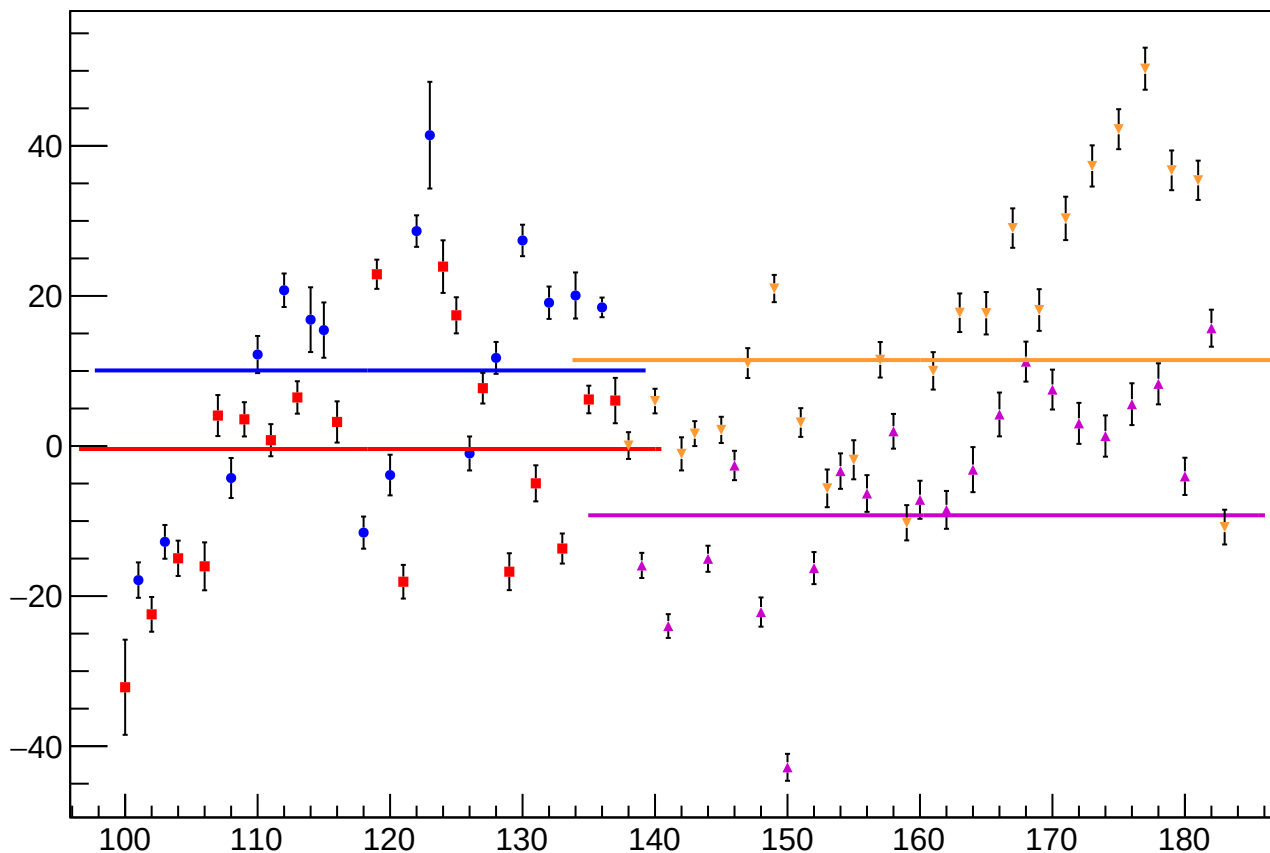
diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.155 $\pm$ 0.850 χ^2 /NDF: 7225.5/16
 Left Out: 3315.543 $\pm$ 0.552 χ^2 /NDF:335230.3/23
 Right Out: 3093.153 $\pm$ 0.819 χ^2 /NDF: 7805.1/18
 Left In: 3316.150 $\pm$ 0.568 χ^2 /NDF:284049.6/21

Left: 3315.838 $\pm$ 0.396 χ^2 /NDF: 619280.5/45
 Right: 3097.006 $\pm$ 0.590 χ^2 /NDF: 15076.5/35
 In: 3249.881 $\pm$ 0.472 χ^2 /NDF:335492.7/38
 Out: 3246.201 $\pm$ 0.458 χ^2 /NDF:393723.8/42
 All: 3247.983 $\pm$ 0.329 χ^2 /NDF: 729247.8/81

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.071 ± 0.563 χ^2/NDF : 688.1/16

Left Out: 11.453 ± 0.457 χ^2/NDF : 1137.2/23

Right Out: -0.397 ± 0.548 χ^2/NDF : 629.0/18

Left In: -9.234 ± 0.479 χ^2/NDF : 896.5/21

Left: 1.599 ± 0.331 χ^2/NDF : 3008.7/45

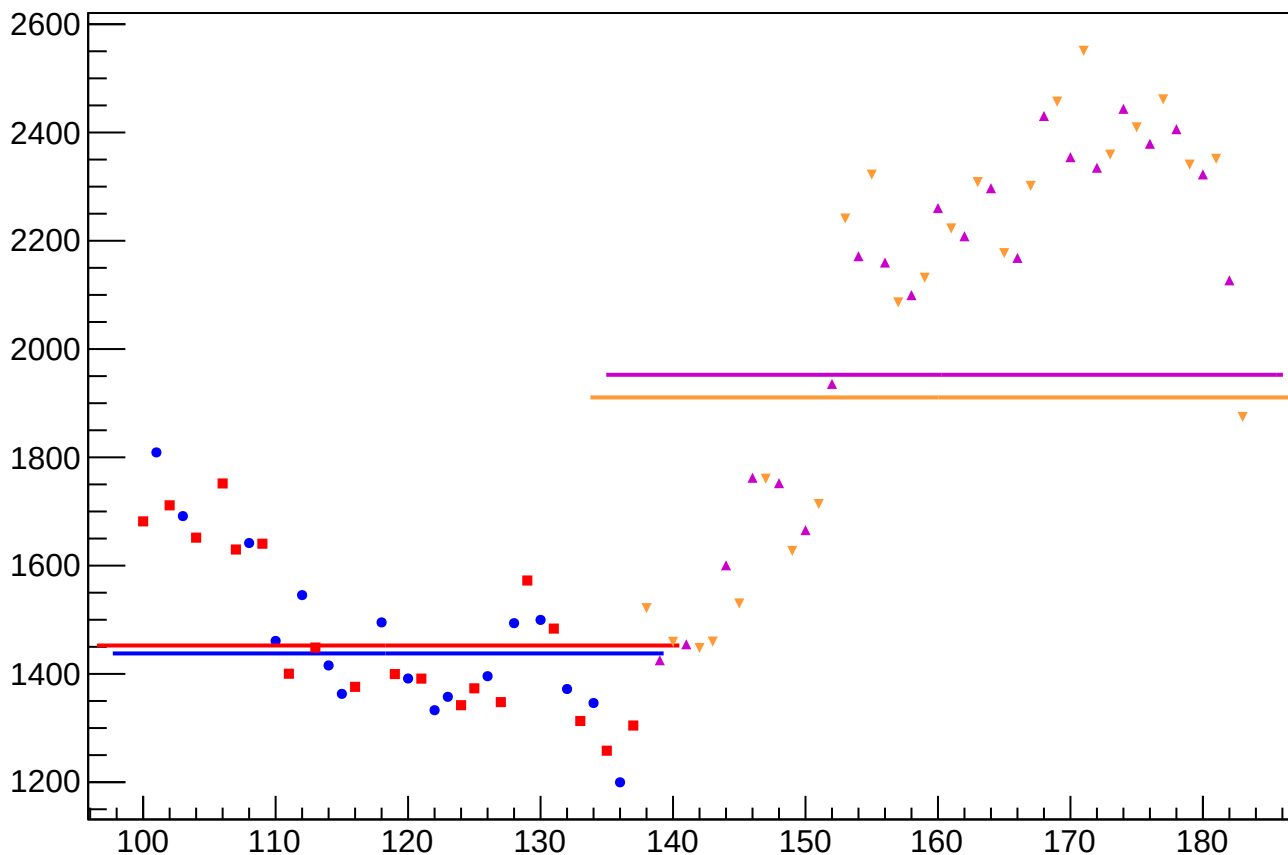
Right: 4.698 ± 0.393 χ^2/NDF : 1494.8/35

In: -1.114 ± 0.365 χ^2/NDF : 2266.7/38

Out: 6.588 ± 0.351 χ^2/NDF : 2041.9/42

All: 2.886 ± 0.253 χ^2/NDF : 4540.0/81

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.799+/-0.398 χ^2/NDF : 173192.9/16

Left Out: 1910.680+/-0.323 χ^2/NDF :1399133.9/23

Right Out: 1452.461+/-0.387 χ^2/NDF : 138487.1/18

Left In: 1952.457+/-0.339 χ^2/NDF :1065316.9/21

Left: 1930.581+/-0.234 χ^2/NDF : 2472404.7/45

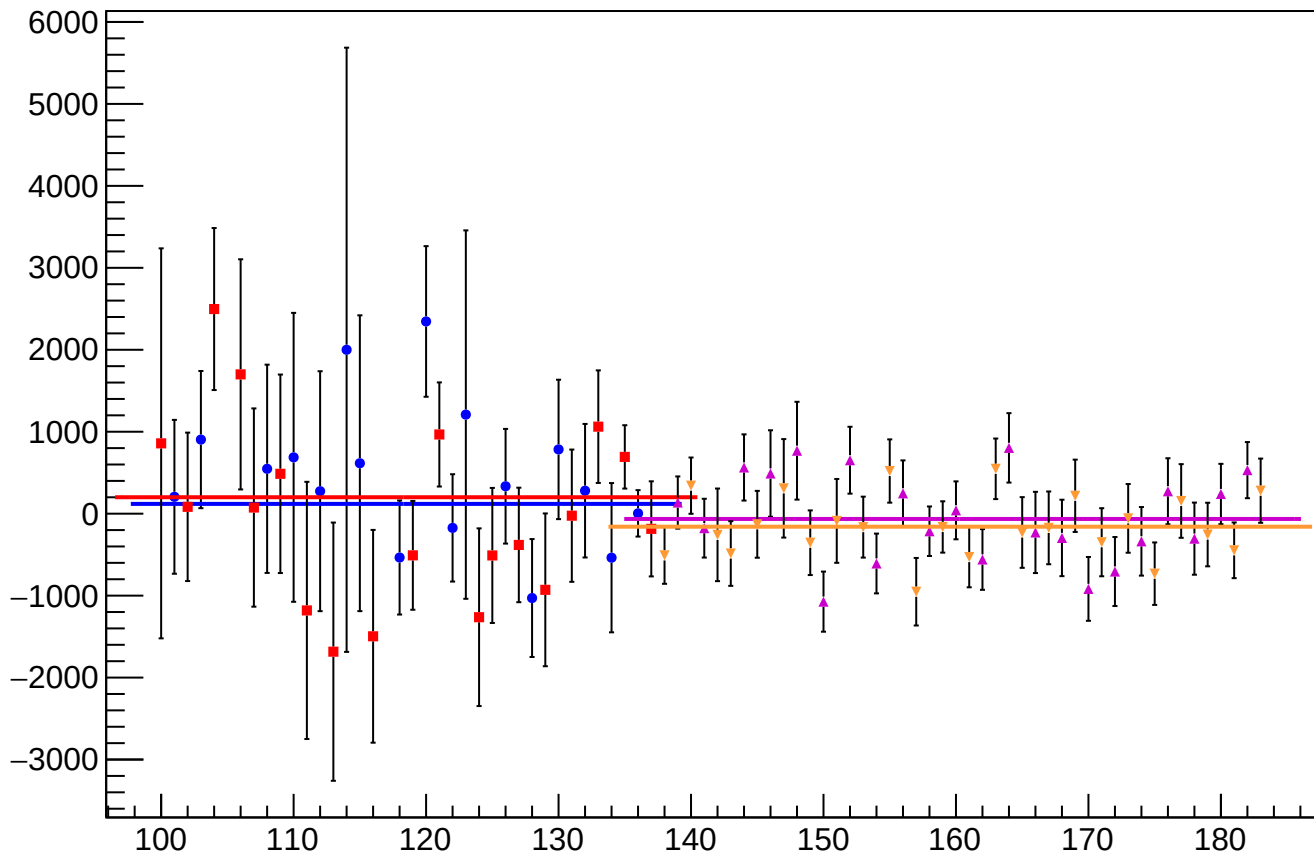
Right: 1445.324+/-0.278 χ^2/NDF : 312377.0/35

In: 1735.998+/-0.258 χ^2/NDF :2208024.7/38

Out: 1722.587+/-0.248 χ^2/NDF :2362153.1/42

All: 1729.034+/-0.179 χ^2/NDF : 4571580.8/81

asym_sam1_mean vs Slug, Sign Corrected



Right In: 119.363 $\pm$ 180.601 χ^2/NDF : 12.6/16

Left Out: -158.902 $\pm$ 81.435 χ^2/NDF : 22.0/23

Right Out: 200.642 $\pm$ 184.789 χ^2/NDF : 21.7/18

Left In: -64.356 $\pm$ 83.626 χ^2/NDF : 38.4/21

Left: -112.884 $\pm$ 58.343 χ^2/NDF : 61.0/45

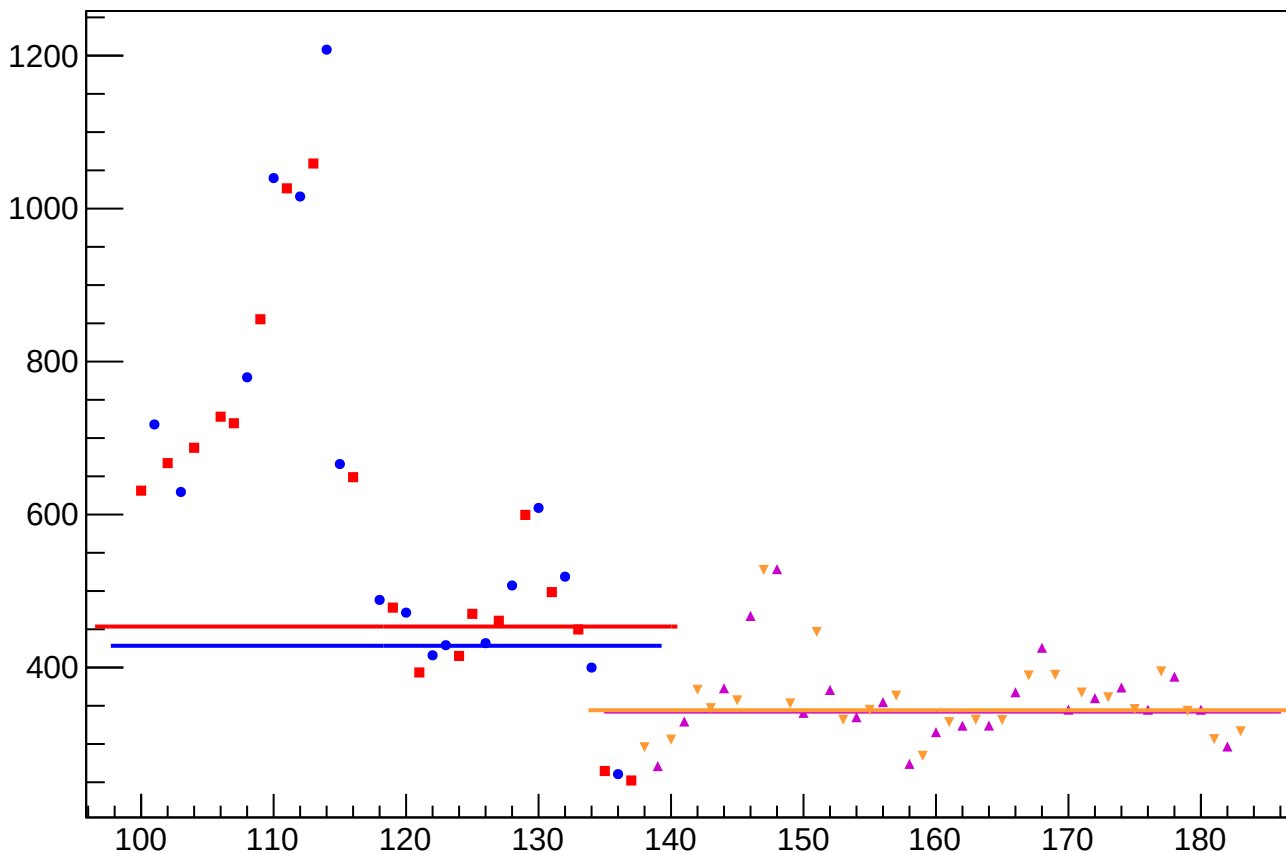
Right: 159.071 $\pm$ 129.160 χ^2/NDF : 34.4/35

In: -31.920 $\pm$ 75.886 χ^2/NDF : 51.8/38

Out: -100.430 $\pm$ 74.520 χ^2/NDF : 46.8/42

All: -66.797 $\pm$ 53.170 χ^2/NDF : 99.1/81

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.425 $\pm$ 0.128 χ^2 /NDF: 2006981.5/16

Left Out: 344.162 $\pm$ 0.058 χ^2 /NDF: 536999.5/23

Right Out: 453.578 $\pm$ 0.131 χ^2 /NDF: 2032377.4/18

Left In: 342.410 $\pm$ 0.059 χ^2 /NDF: 697504.4/21

Left: 343.309 $\pm$ 0.041 χ^2 /NDF: 1234954.4/45

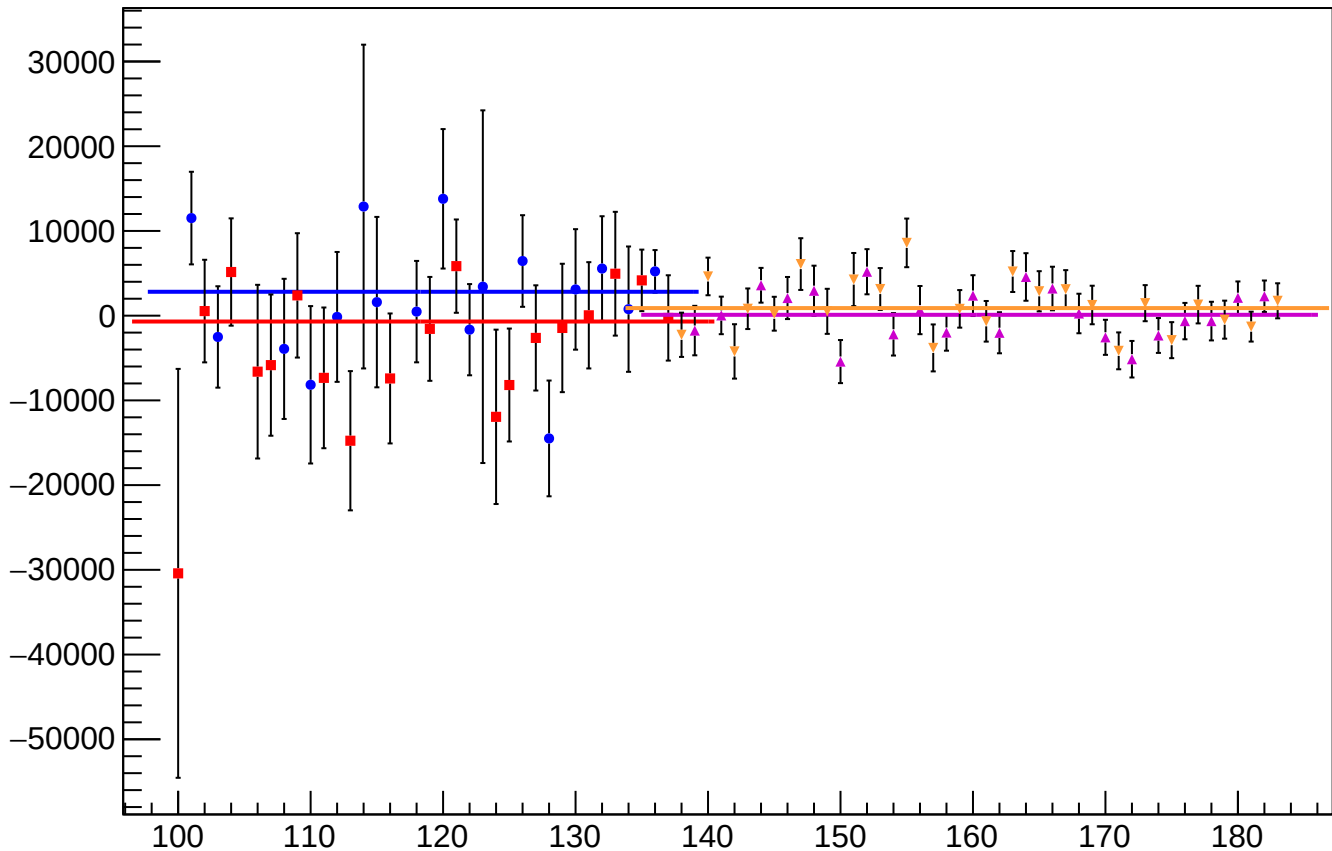
Right: 440.713 $\pm$ 0.091 χ^2 /NDF: 4058311.6/35

In: 357.596 $\pm$ 0.054 χ^2 /NDF: 3078057.1/38

Out: 361.956 $\pm$ 0.053 χ^2 /NDF: 3156544.1/42

All: 359.816 $\pm$ 0.038 χ^2 /NDF: 6237961.8/81

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2819.632 $\pm$ 1450.791 χ^2/NDF : 16.5/16

Left Out: 893.996 $\pm$ 478.803 χ^2/NDF : 37.9/23

Right Out: -691.793 $\pm$ 1512.621 χ^2/NDF : 14.0/18

Left In: 99.895 $\pm$ 494.475 χ^2/NDF : 32.4/21

Left: 509.729 $\pm$ 343.972 χ^2/NDF : 71.6/45

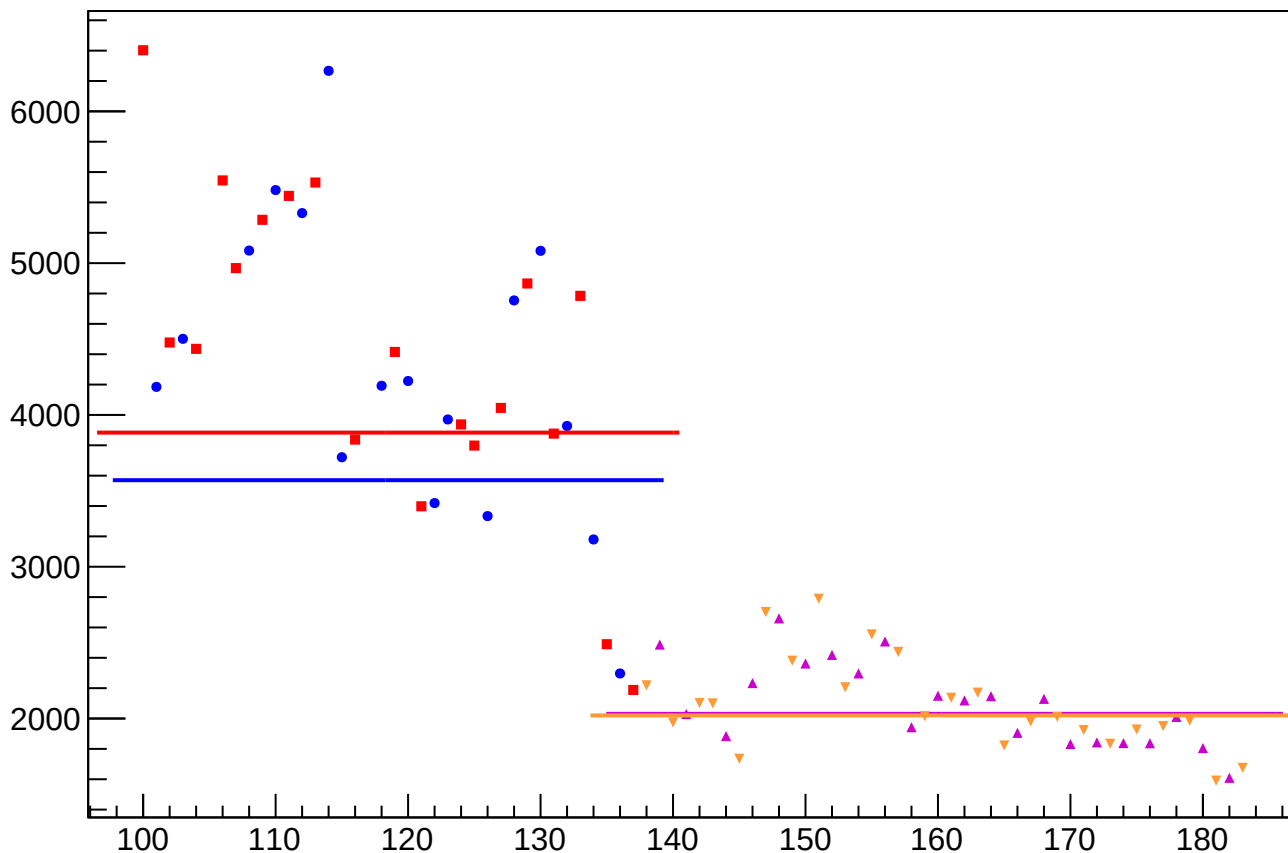
Right: 1137.151 $\pm$ 1047.040 χ^2/NDF : 33.4/35

In: 382.954 $\pm$ 468.037 χ^2/NDF : 52.0/38

Out: 749.576 $\pm$ 456.480 χ^2/NDF : 53.0/42

All: 570.847 $\pm$ 326.789 χ^2/NDF : 105.3/81

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3570.185 ± 1.026 $\chi^2/\text{NDF}: 1087907.4/16$

Left Out: 2020.395 ± 0.339 $\chi^2/\text{NDF}: 666045.6/23$

Right Out: 3883.722 ± 1.070 $\chi^2/\text{NDF}: 984493.3/18$

Left In: 2030.803 ± 0.350 $\chi^2/\text{NDF}: 538875.3/21$

Left: 2025.432 ± 0.243 $\chi^2/\text{NDF}: 1205378.2/45$

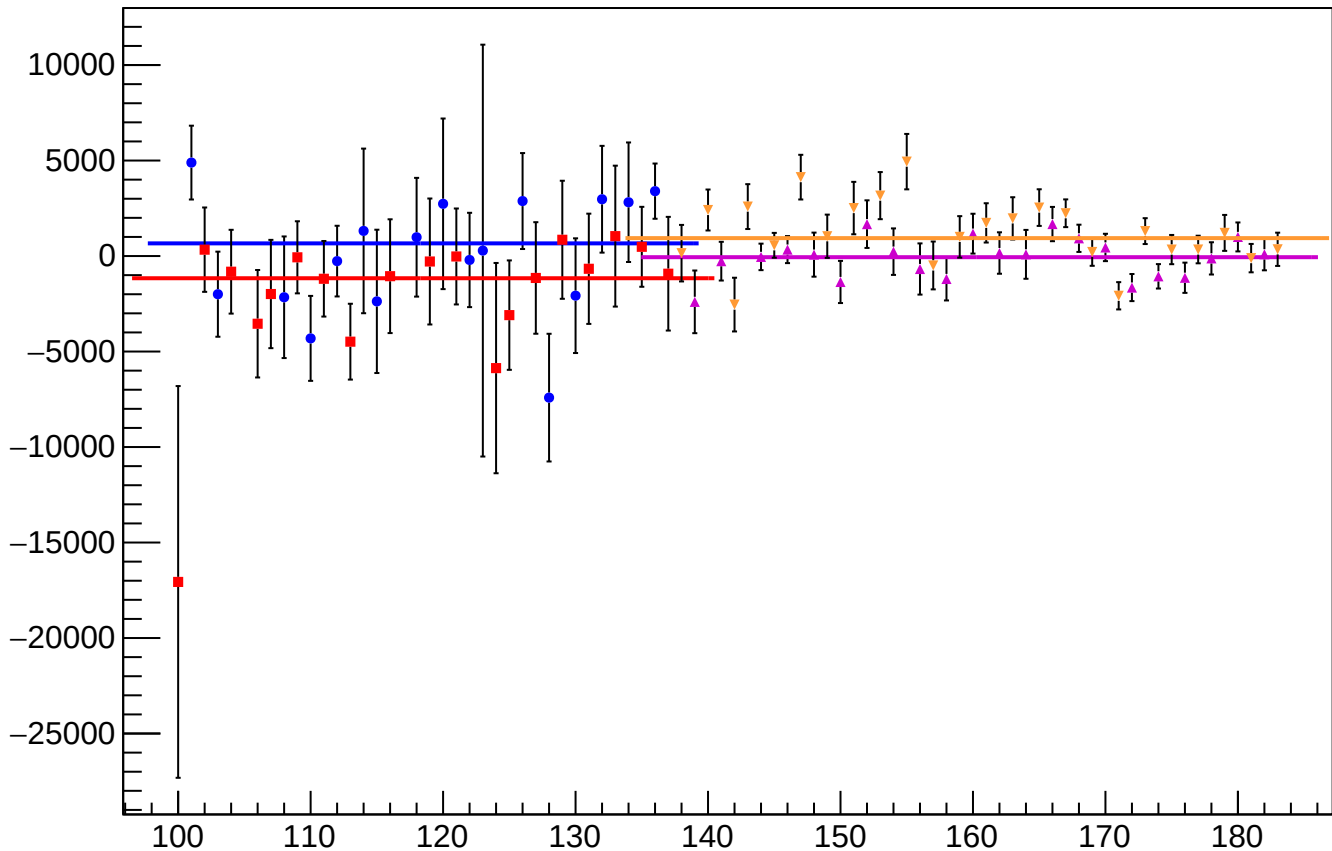
Right: 3720.415 ± 0.740 $\chi^2/\text{NDF}: 2117157.8/35$

In: 2191.015 ± 0.331 $\chi^2/\text{NDF}: 3644148.2/38$

Out: 2190.091 ± 0.323 $\chi^2/\text{NDF}: 4409065.7/42$

All: 2190.542 ± 0.231 $\chi^2/\text{NDF}: 8053217.9/81$

asym_sam3_mean vs Slug, Sign Corrected



Right In: 663.409 ± 622.512 χ^2/NDF : 25.5/16

Left Out: 938.215 ± 188.135 χ^2/NDF : 62.0/23

Right Out: -1162.350 ± 604.350 χ^2/NDF : 9.7/18

Left In: -60.129 ± 189.695 χ^2/NDF : 25.9/21

Left: 443.166 ± 133.580 χ^2/NDF : 101.9/45

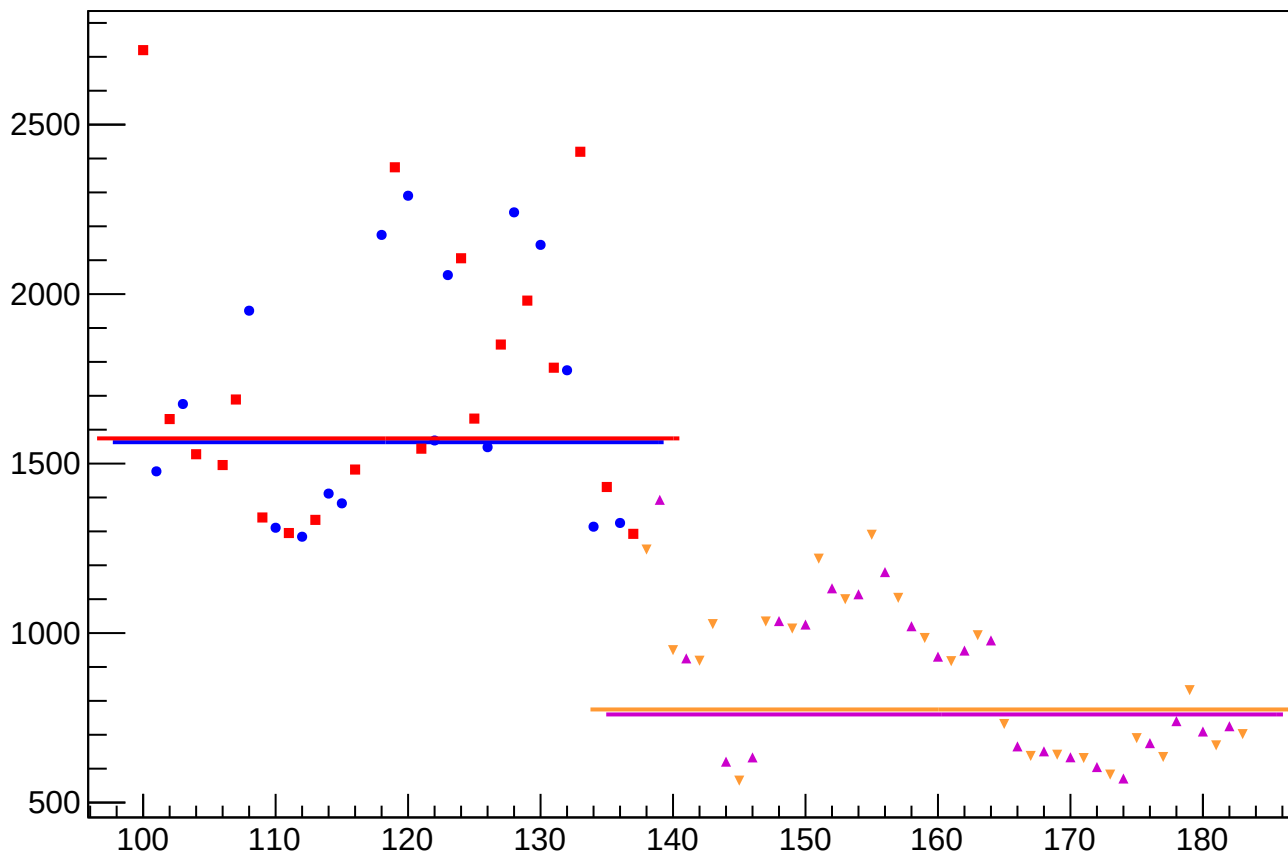
Right: -276.491 ± 433.619 χ^2/NDF : 39.6/35

In: 1.349 ± 181.458 χ^2/NDF : 52.6/38

Out: 752.637 ± 179.632 χ^2/NDF : 82.7/42

All: 380.791 ± 127.660 χ^2/NDF : 144.0/81

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1563.098 $\pm$ 0.440 χ^2 /NDF: 487653.4/16

Left Out: 774.666 $\pm$ 0.133 χ^2 /NDF: 2243444.3/23

Right Out: 1574.361 $\pm$ 0.427 χ^2 /NDF: 466428.6/18

Left In: 759.940 $\pm$ 0.134 χ^2 /NDF: 1986174.6/21

Left: 767.364 $\pm$ 0.094 χ^2 /NDF: 4235694.8/45

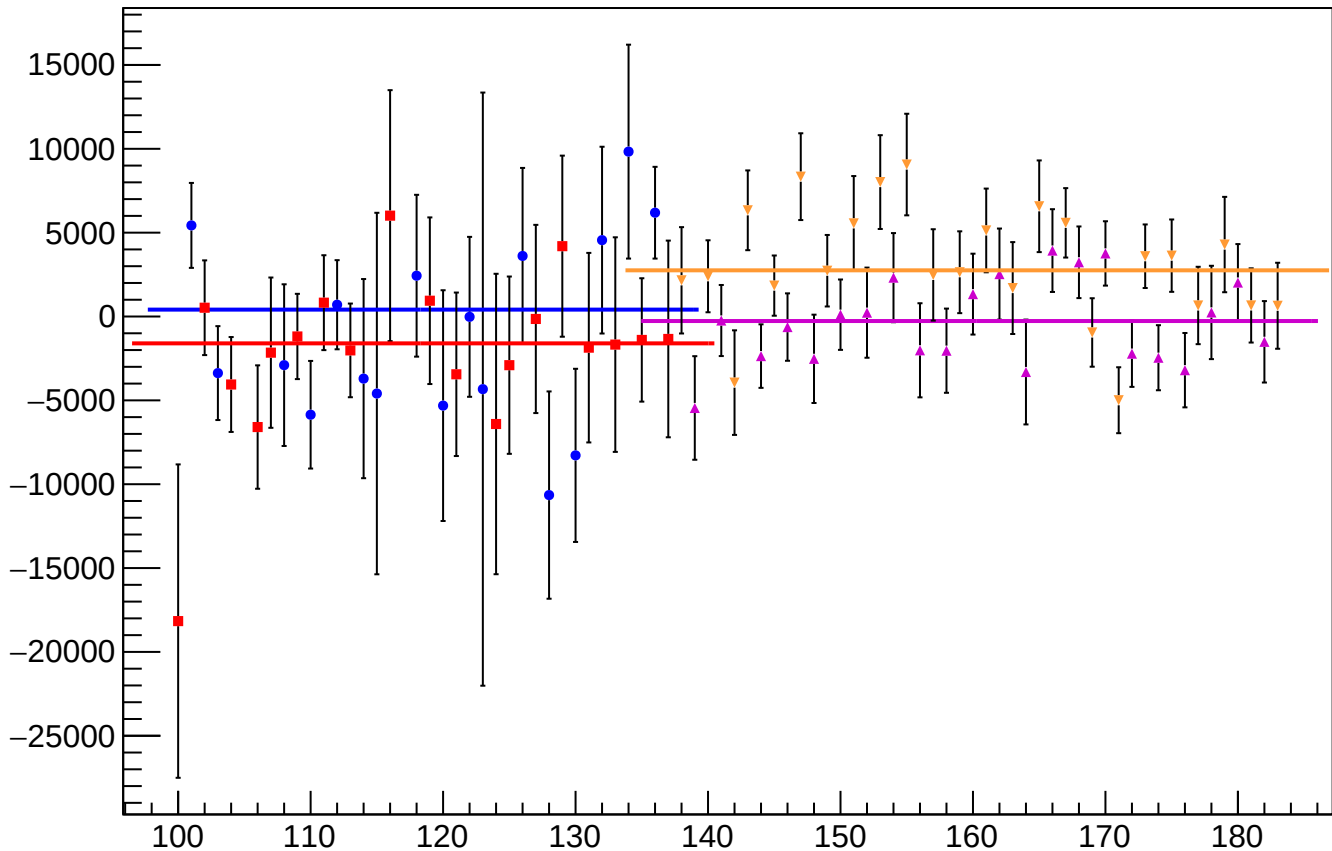
Right: 1568.896 $\pm$ 0.307 χ^2 /NDF: 954419.1/35

In: 828.183 $\pm$ 0.128 χ^2 /NDF: 5520129.8/38

Out: 845.316 $\pm$ 0.127 χ^2 /NDF: 5902370.3/42

All: 836.836 $\pm$ 0.090 χ^2 /NDF: 11431505.8/83

asym_sam4_mean vs Slug, Sign Corrected



Right In: 411.092 $\pm$ 998.047 χ^2 /NDF: 25.3/16

Left Out: 2753.736 $\pm$ 484.405 χ^2 /NDF:47.5/23

Right Out: -1601.073 $\pm$ 925.777 χ^2 /NDF: 10.1/18

Left In: -269.515 $\pm$ 495.766 χ^2 /NDF:24.4/21

Left: 1277.146 $\pm$ 346.473 χ^2 /NDF: 90.9/45

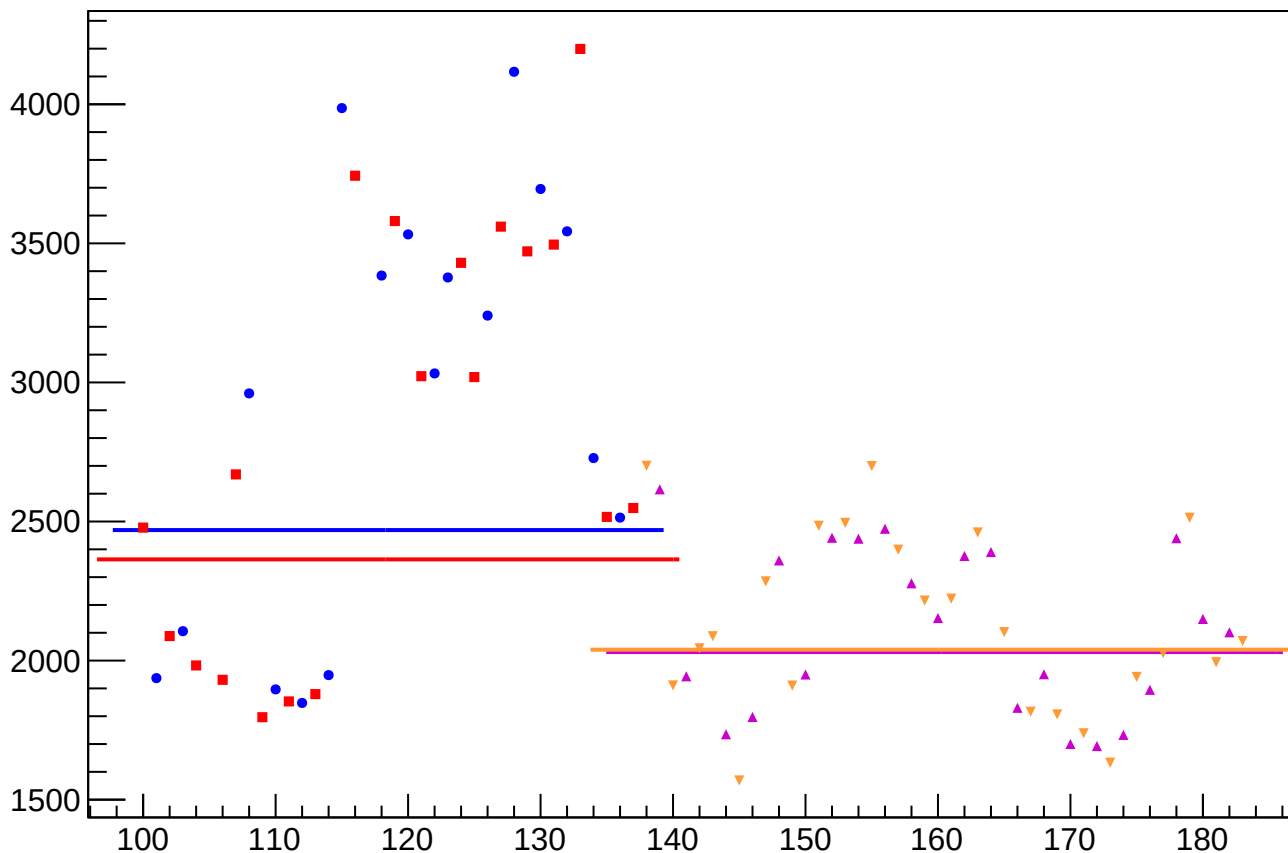
Right: -670.473 $\pm$ 678.736 χ^2 /NDF: 37.6/35

In: -134.815 $\pm$ 444.005 χ^2 /NDF:50.1/38

Out: 1817.730 $\pm$ 429.202 χ^2 /NDF:75.0/42

All: 874.548 $\pm$ 308.592 χ^2 /NDF: 135.1/81

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.233+/-0.706 χ^2/NDF : 900151.2/16

Left Out: 2039.200+/-0.343 χ^2/NDF : 808668.7/23

Right Out: 2363.845+/-0.655 χ^2/NDF : 1026234.8/18

Left In: 2030.723+/-0.351 χ^2/NDF : 650712.8/21

Left: 2035.060+/-0.245 χ^2/NDF : 1459680.6/45

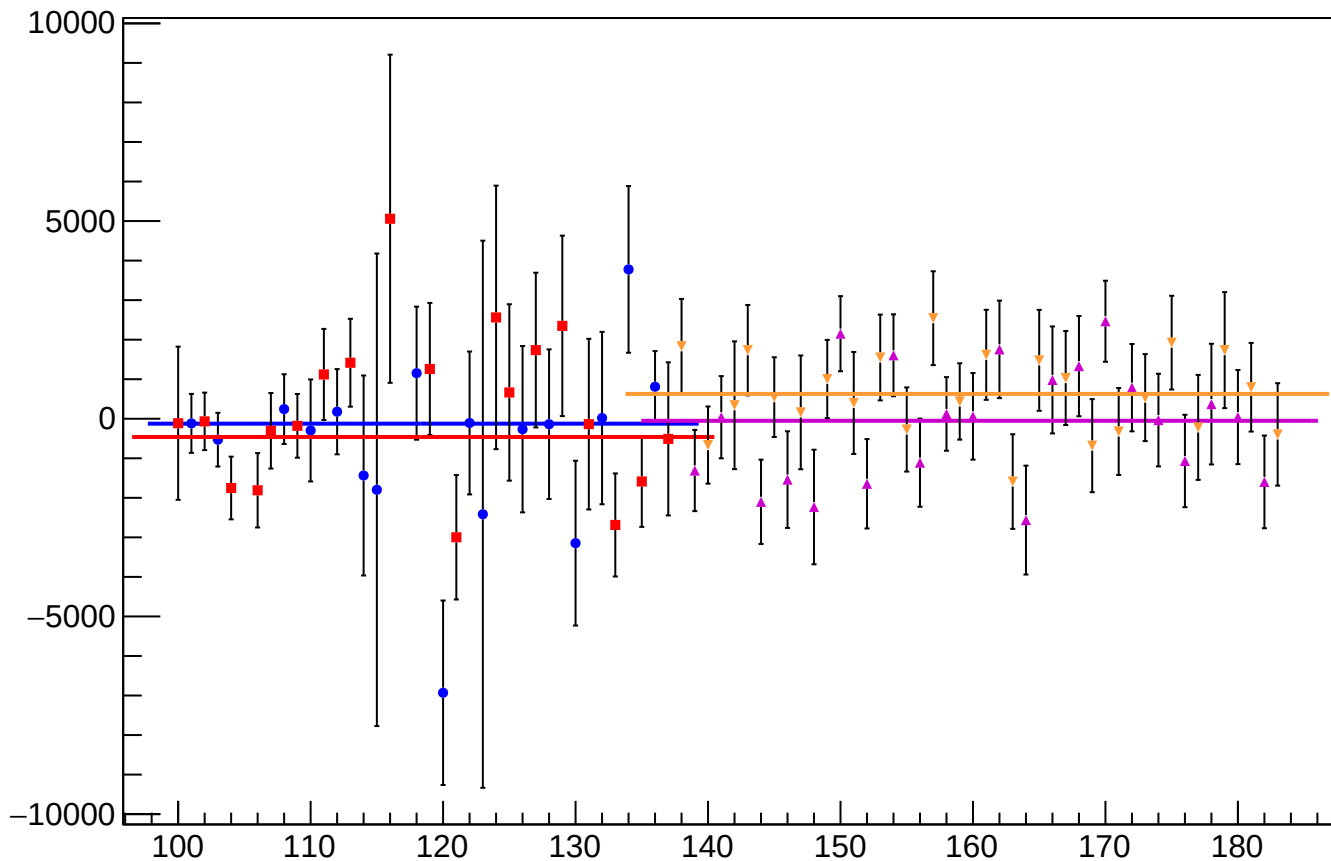
Right: 2412.586+/-0.480 χ^2/NDF : 1938372.6/35

In: 2117.509+/-0.314 χ^2/NDF : 1860541.0/38

Out: 2108.978+/-0.303 χ^2/NDF : 2027984.7/42

All: 2113.099+/-0.218 χ^2/NDF : 3888907.4/81

asym_sam5_mean vs Slug, Sign Corrected



Right In: -124.338 ± 313.734 χ^2/NDF : 16.8/16

Left Out: 628.081 ± 236.995 χ^2/NDF : 17.7/23

Right Out: -461.203 ± 283.135 χ^2/NDF : 23.1/18

Left In: -51.497 ± 242.788 χ^2/NDF : 36.3/21

Left: 296.497 ± 169.592 χ^2/NDF : 57.9/45

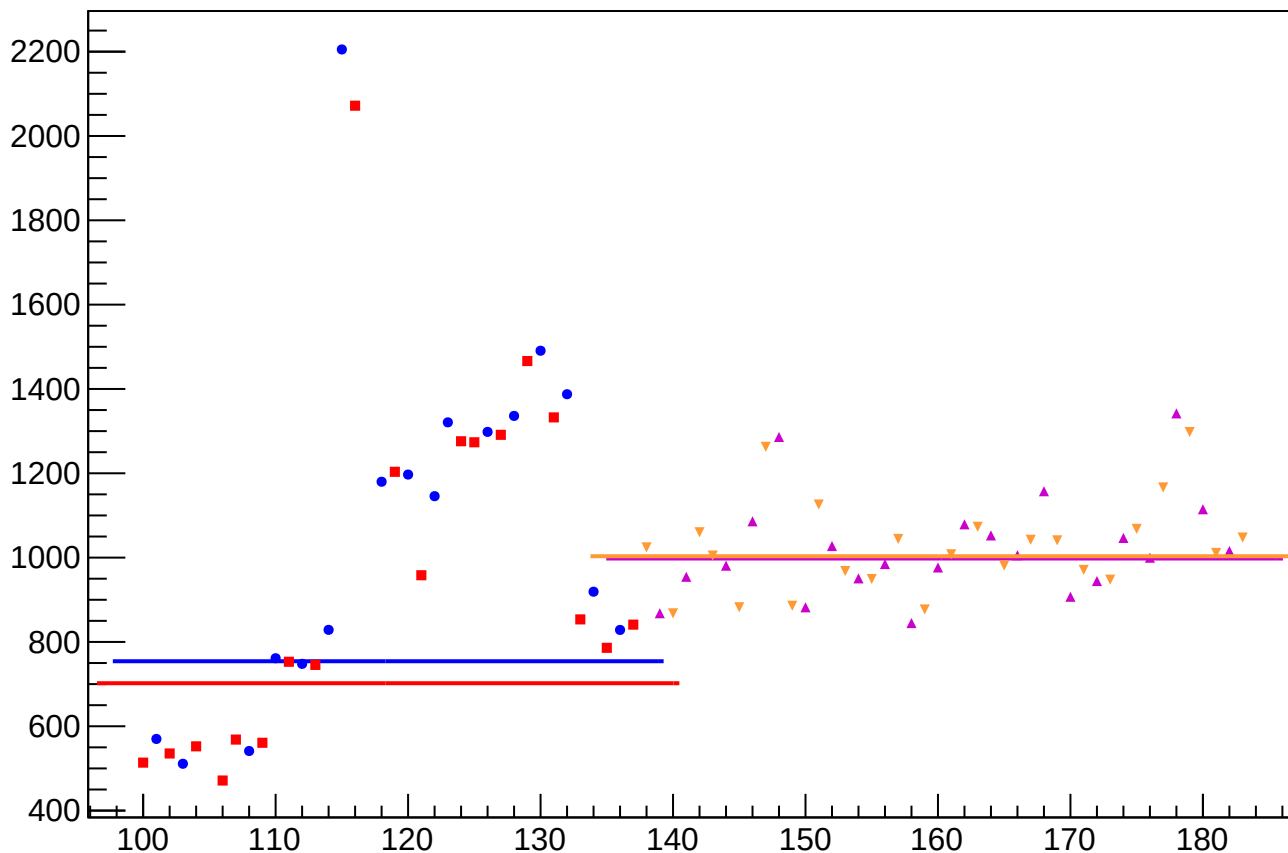
Right: -309.995 ± 210.195 χ^2/NDF : 40.5/35

In: -78.780 ± 192.009 χ^2/NDF : 53.1/38

Out: 179.314 ± 181.733 χ^2/NDF : 49.5/42

All: 57.358 ± 131.988 χ^2/NDF : 103.5/81

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.219 $\pm$ 0.222 χ^2/NDF : 1689131.5/16

Left Out: 1003.300 $\pm$ 0.168 χ^2/NDF : 363313.2/23

Right Out: 702.074 $\pm$ 0.200 χ^2/NDF : 1689098.6/18

Left In: 997.864 $\pm$ 0.172 χ^2/NDF : 404583.6/21

Left: 1000.647 $\pm$ 0.120 χ^2/NDF : 768410.2/45

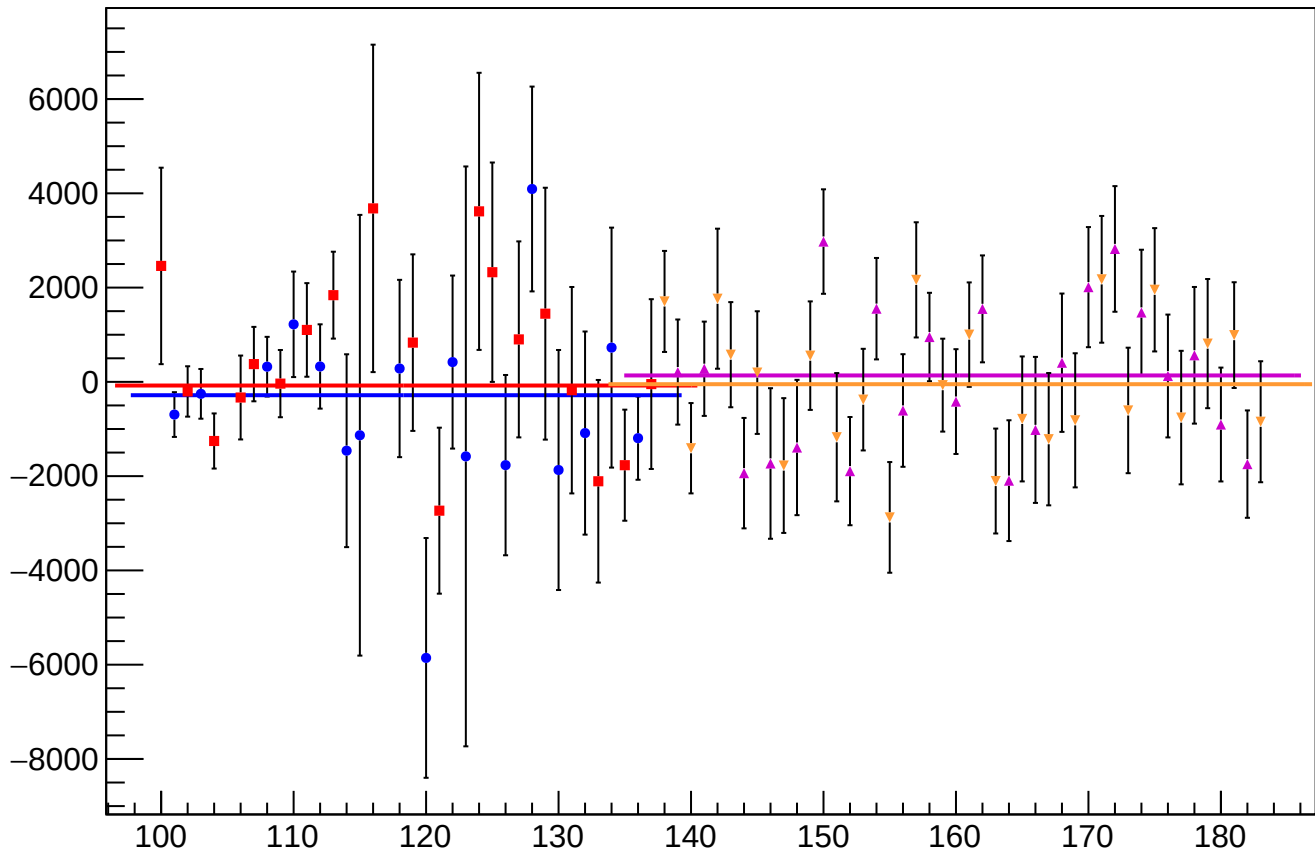
Right: 725.480 $\pm$ 0.149 χ^2/NDF : 3408679.8/35

In: 906.605 $\pm$ 0.136 χ^2/NDF : 2848124.7/38

Out: 879.200 $\pm$ 0.129 χ^2/NDF : 3383523.7/42

All: 892.149 $\pm$ 0.093 χ^2/NDF : 6253138.5/81

asym_sam6_mean vs Slug, Sign Corrected



Right In: -283.172 $\pm$ 250.683 χ^2 /NDF: 15.8/16

Left Out: -49.430 $\pm$ 248.417 χ^2 /NDF:30.9/23

Right Out: -77.591 $\pm$ 246.211 χ^2 /NDF: 21.6/18

Left In: 136.185 $\pm$ 257.983 χ^2 /NDF:34.4/21

Left: 39.872 $\pm$ 178.944 χ^2 /NDF: 65.6/45

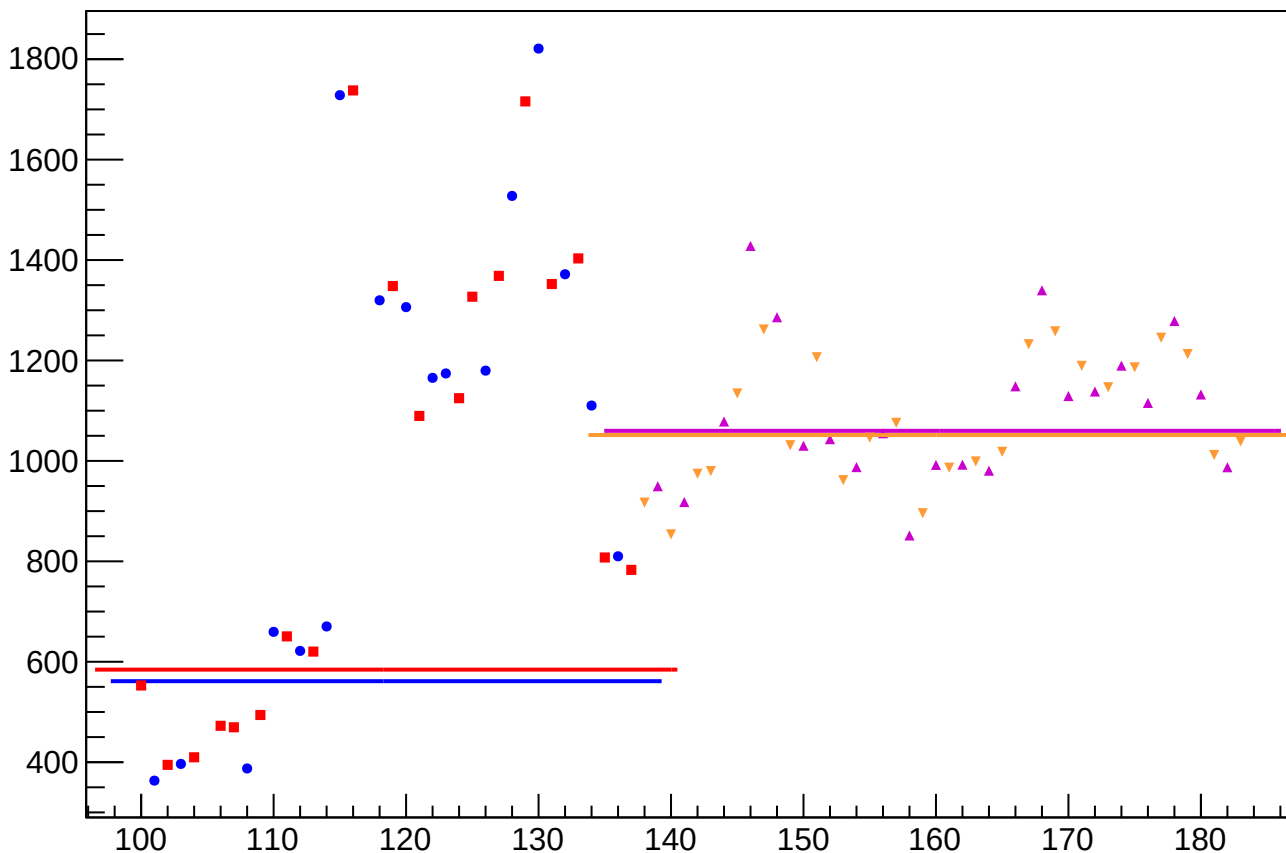
Right: -178.531 $\pm$ 175.657 χ^2 /NDF: 37.7/35

In: -79.511 $\pm$ 179.785 χ^2 /NDF:51.6/38

Out: -63.636 $\pm$ 174.872 χ^2 /NDF:52.4/42

All: -71.354 $\pm$ 125.354 χ^2 /NDF: 104.0/81

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.319 ± 0.177 χ^2/NDF : 3211255.9/16

Left Out: 1051.586 ± 0.176 χ^2/NDF : 481292.0/23

Right Out: 584.345 ± 0.174 χ^2/NDF : 2813611.9/18

Left In: 1059.903 ± 0.182 χ^2/NDF : 523635.6/21

Left: 1055.587 ± 0.127 χ^2/NDF : 1006006.4/45

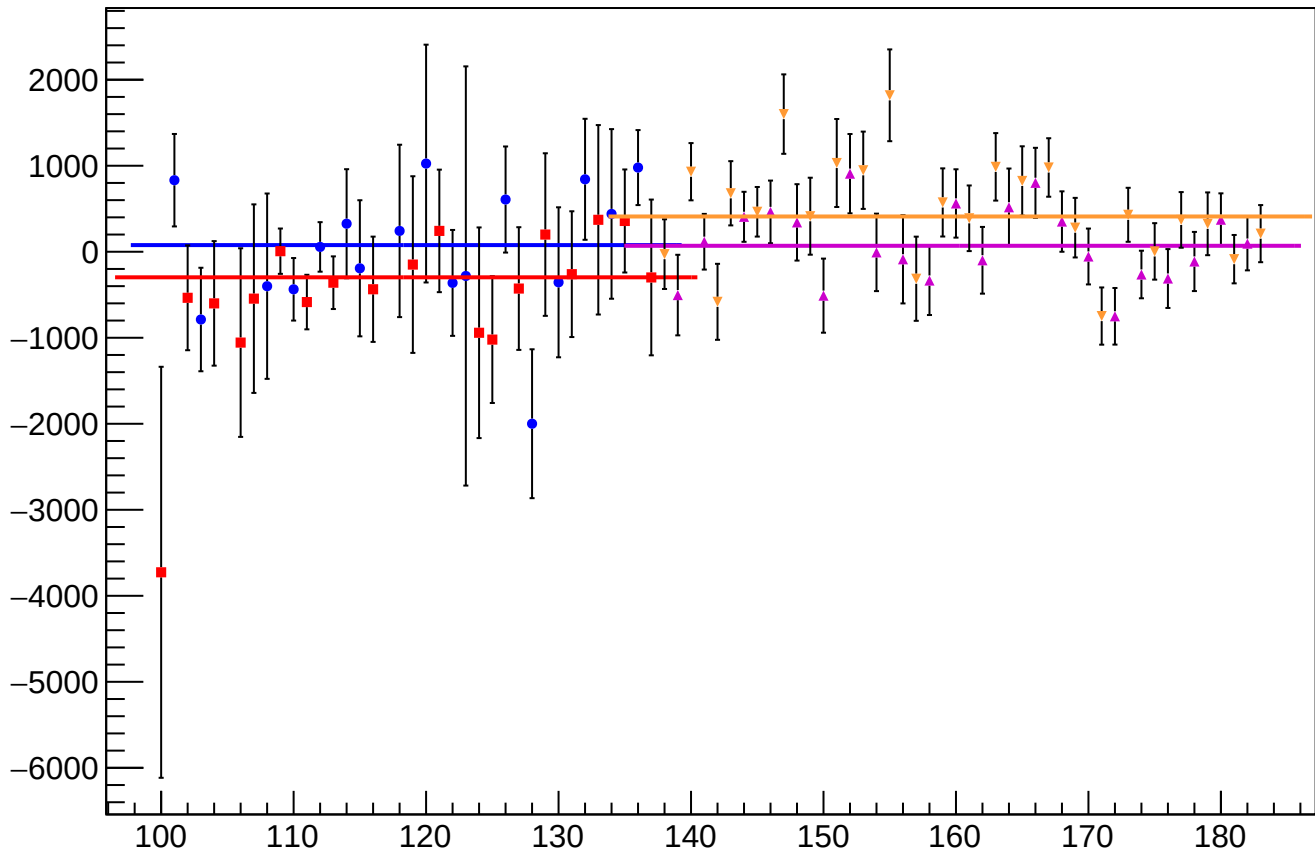
Right: 573.040 ± 0.124 χ^2/NDF : 6033456.5/35

In: 803.457 ± 0.127 χ^2/NDF : 7577110.9/38

Out: 815.882 ± 0.124 χ^2/NDF : 6864146.2/42

All: 809.841 ± 0.089 χ^2/NDF : 14446165.2/83

asym_sam7_mean vs Slug, Sign Corrected



Right In: 77.417 ± 143.270 $\chi^2/\text{NDF}: 19.9/16$

Left Out: 410.038 ± 75.437 $\chi^2/\text{NDF}: 51.5/23$

Right Out: -297.209 ± 129.814 $\chi^2/\text{NDF}: 8.9/18$

Left In: 69.301 ± 77.749 $\chi^2/\text{NDF}: 27.6/21$

Left: 244.810 ± 54.141 $\chi^2/\text{NDF}: 88.9/45$

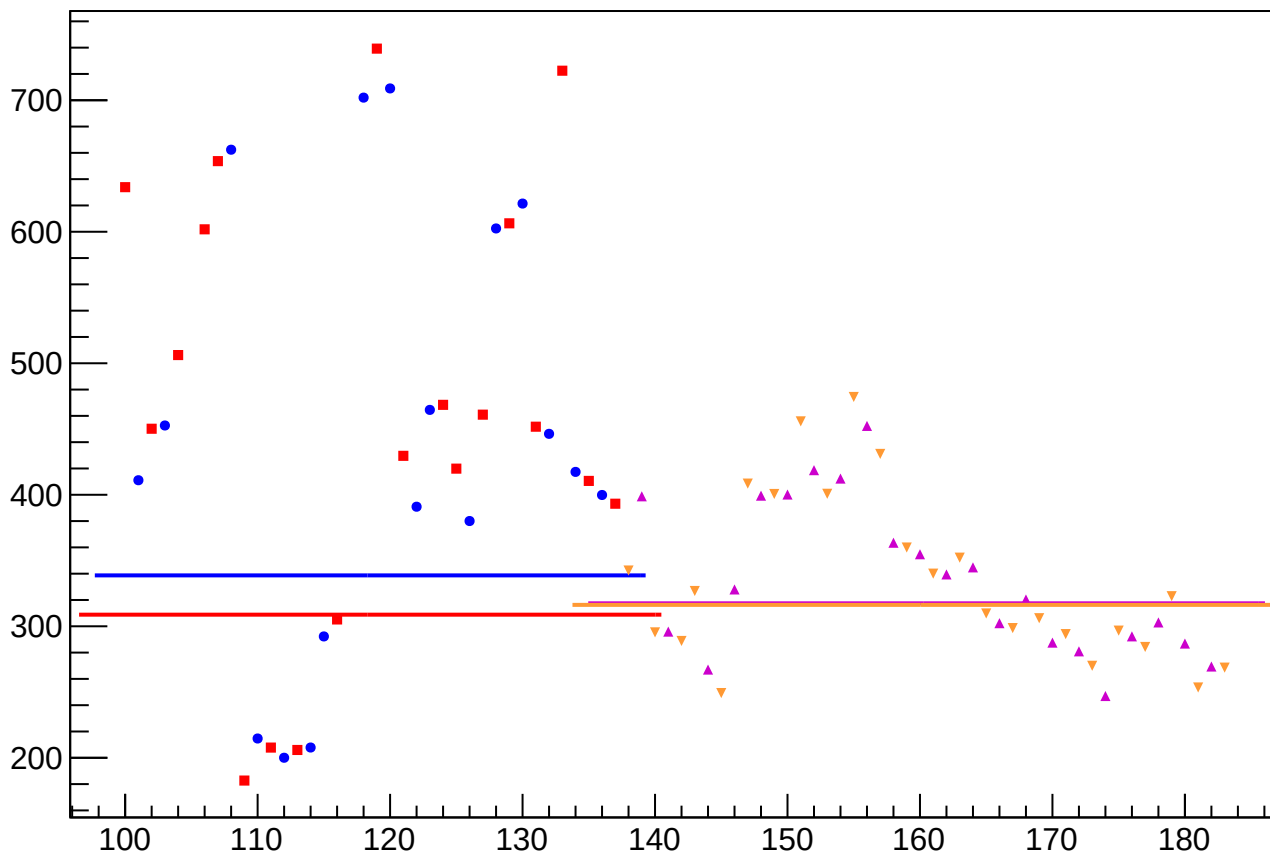
Right: -128.310 ± 96.198 $\chi^2/\text{NDF}: 32.5/35$

In: 71.147 ± 68.335 $\chi^2/\text{NDF}: 47.4/38$

Out: 231.496 ± 65.224 $\chi^2/\text{NDF}: 82.5/42$

All: 155.055 ± 47.182 $\chi^2/\text{NDF}: 132.8/81$

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.706 $\pm$ 0.101 χ^2/NDF : 2007568.0/16

Left Out: 316.284 $\pm$ 0.053 χ^2/NDF : 1066810.2/23

Right Out: 308.833 $\pm$ 0.092 χ^2/NDF : 2732710.6/18

Left In: 317.470 $\pm$ 0.055 χ^2/NDF : 910508.5/21

Left: 316.859 $\pm$ 0.038 χ^2/NDF : 1977558.1/45

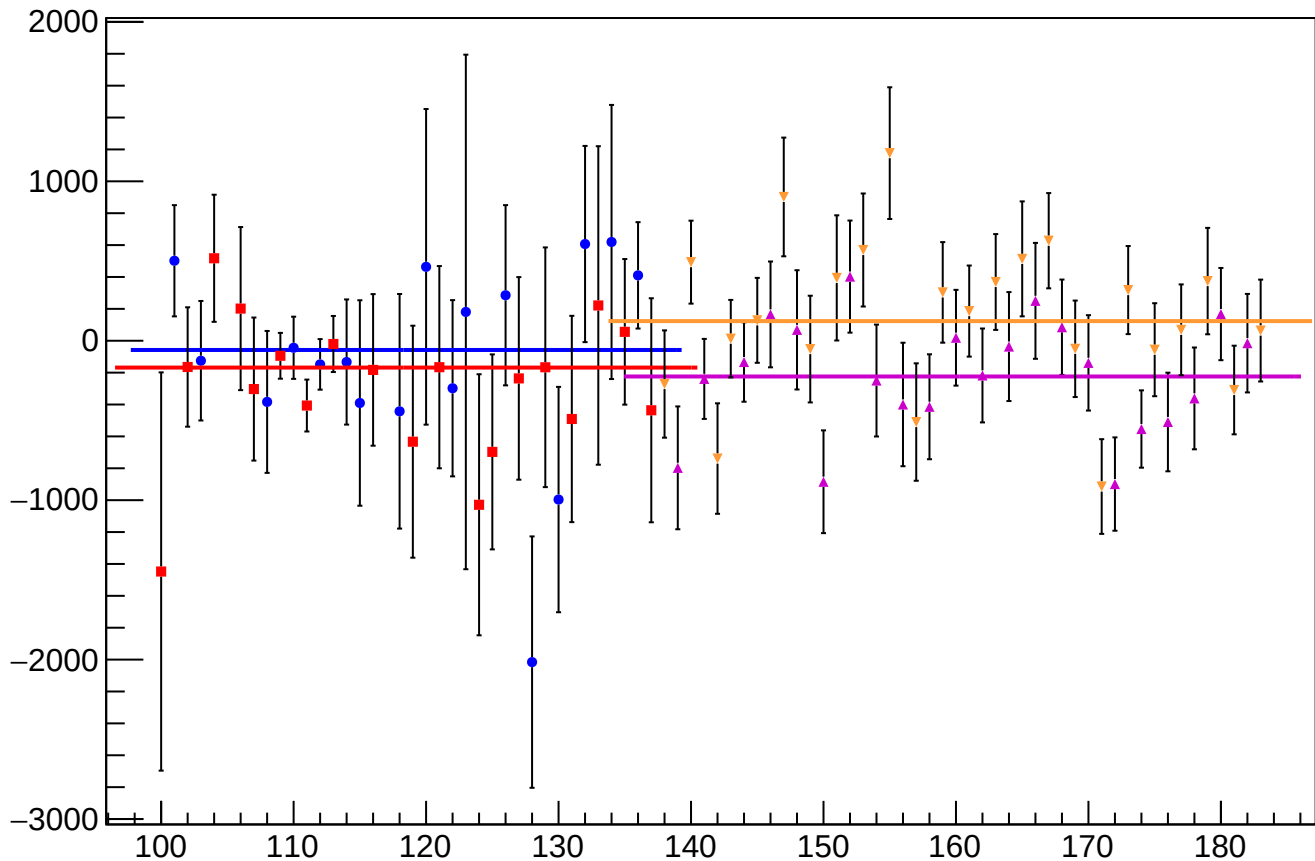
Right: 322.301 $\pm$ 0.068 χ^2/NDF : 4788026.7/35

In: 322.301 $\pm$ 0.048 χ^2/NDF : 2952021.5/38

Out: 314.403 $\pm$ 0.046 χ^2/NDF : 3804446.1/42

All: 318.168 $\pm$ 0.033 χ^2/NDF : 6770446.1/81

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.851 ± 90.694 χ^2/NDF : 16.6/16

Left Out: 123.209 ± 63.221 χ^2/NDF : 47.5/23

Right Out: -168.323 ± 76.968 χ^2/NDF : 10.8/18

Left In: -224.159 ± 66.059 χ^2/NDF : 26.5/21

Left: -42.852 ± 45.674 χ^2/NDF : 88.5/45

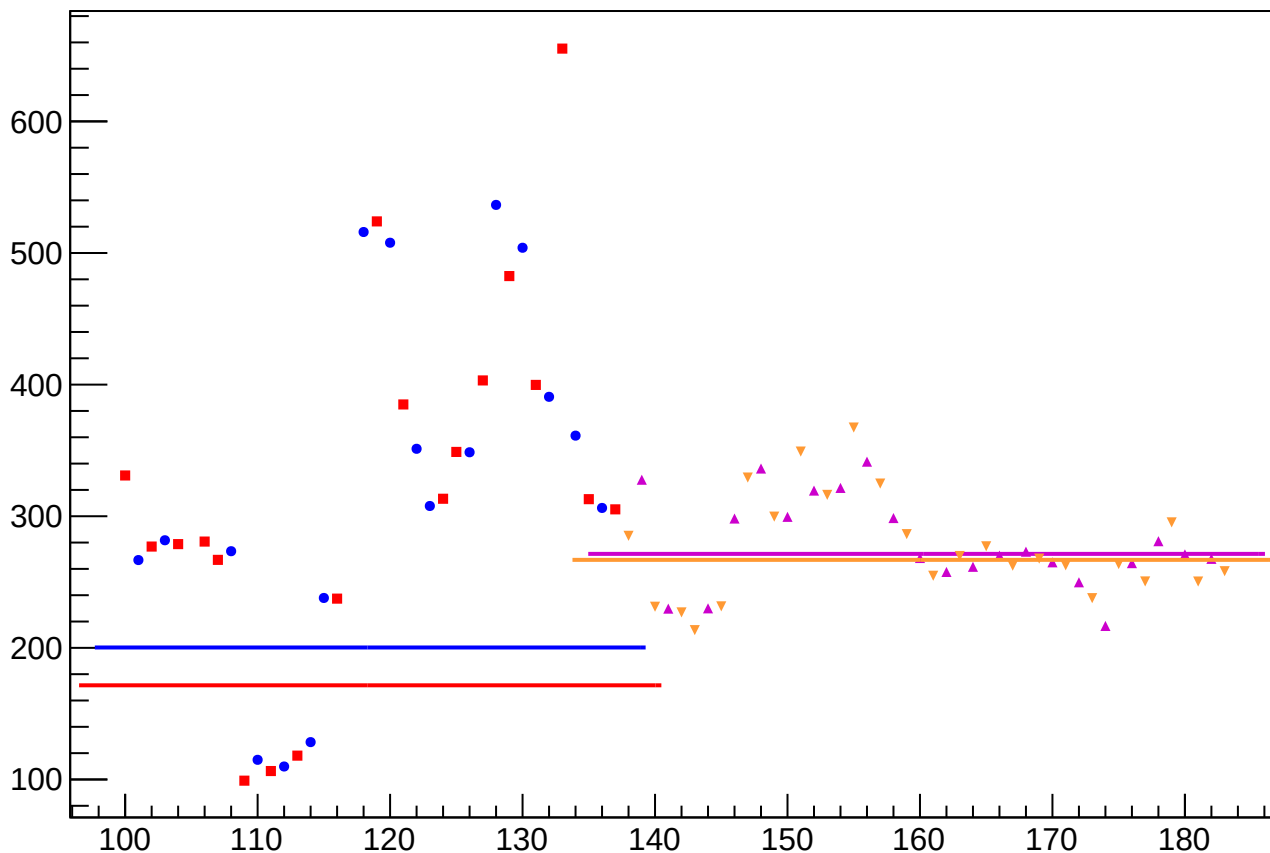
Right: -122.071 ± 58.684 χ^2/NDF : 28.2/35

In: -166.512 ± 53.396 χ^2/NDF : 45.3/38

Out: 5.759 ± 48.853 χ^2/NDF : 66.8/42

All: -72.737 ± 36.044 χ^2/NDF : 117.8/81

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.283+/-0.064 χ^2/NDF : 3381863.8/16

Left Out: 266.858+/-0.045 χ^2/NDF : 637952.8/23

Right Out: 171.547+/-0.054 χ^2/NDF : 4083247.6/18

Left In: 271.403+/-0.047 χ^2/NDF : 521873.6/21

Left: 269.031+/-0.032 χ^2/NDF : 1164766.2/45

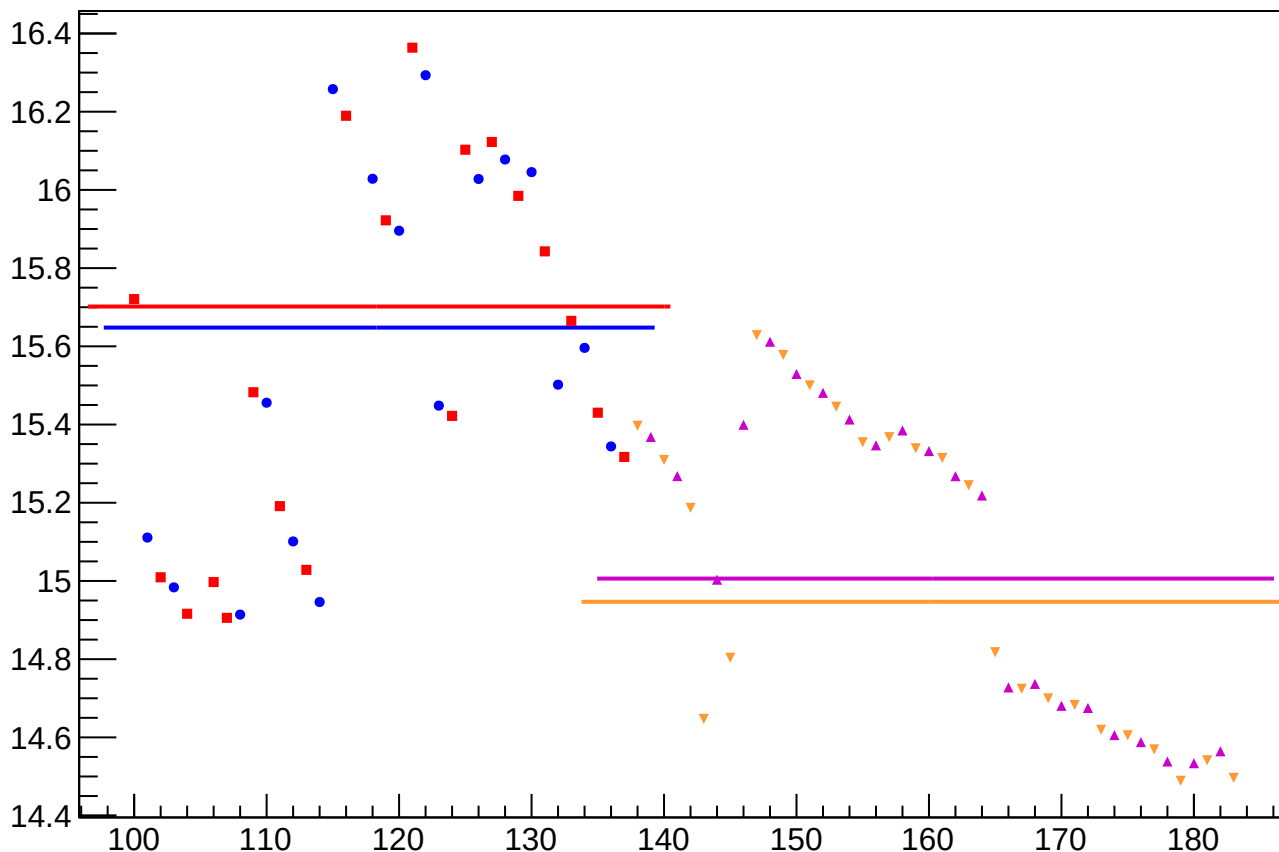
Right: 183.578+/-0.041 χ^2/NDF : 7581834.4/35

In: 246.751+/-0.038 χ^2/NDF : 4707273.1/38

Out: 228.460+/-0.035 χ^2/NDF : 6552553.1/42

All: 236.794+/-0.025 χ^2/NDF : 11387572.2/83

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.648 $\pm$ 0.000 χ^2 /NDF: 5445005645.2/16

Left Out: 14.947 $\pm$ 0.000 χ^2 /NDF: 23735947774.2/23

Right Out: 15.702 $\pm$ 0.000 χ^2 /NDF: 5133327033.6/18

Left In: 15.006 $\pm$ 0.000 χ^2 /NDF: 20932336950.3/21

Left: 14.975 $\pm$ 0.000 χ^2 /NDF: 44943935194.2/45

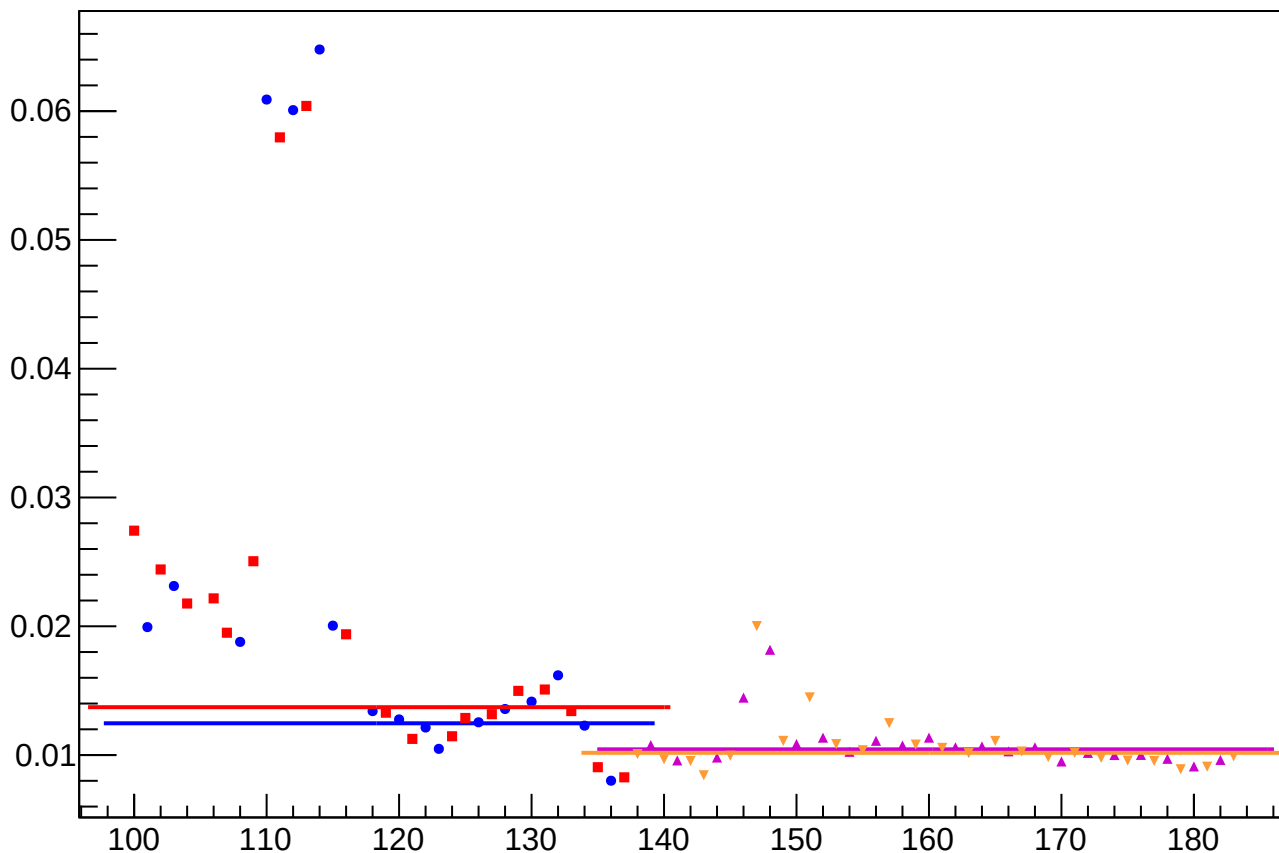
Right: 15.673 $\pm$ 0.000 χ^2 /NDF: 10623032652.9/35

In: 15.123 $\pm$ 0.000 χ^2 /NDF: 37523047788.5/38

Out: 15.059 $\pm$ 0.000 χ^2 /NDF: 42859955393.4/42

All: 15.090 $\pm$ 0.000 χ^2 /NDF: 80764584509.4

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 2144984.5/16

Left Out: 0.010+/-0.000 χ^2/NDF : 714814.5/23

Right Out: 0.014+/-0.000 χ^2/NDF : 2077881.6/18

Left In: 0.010+/-0.000 χ^2/NDF : 517459.2/21

Left: 0.010+/-0.000 χ^2/NDF : 1243635.1/45

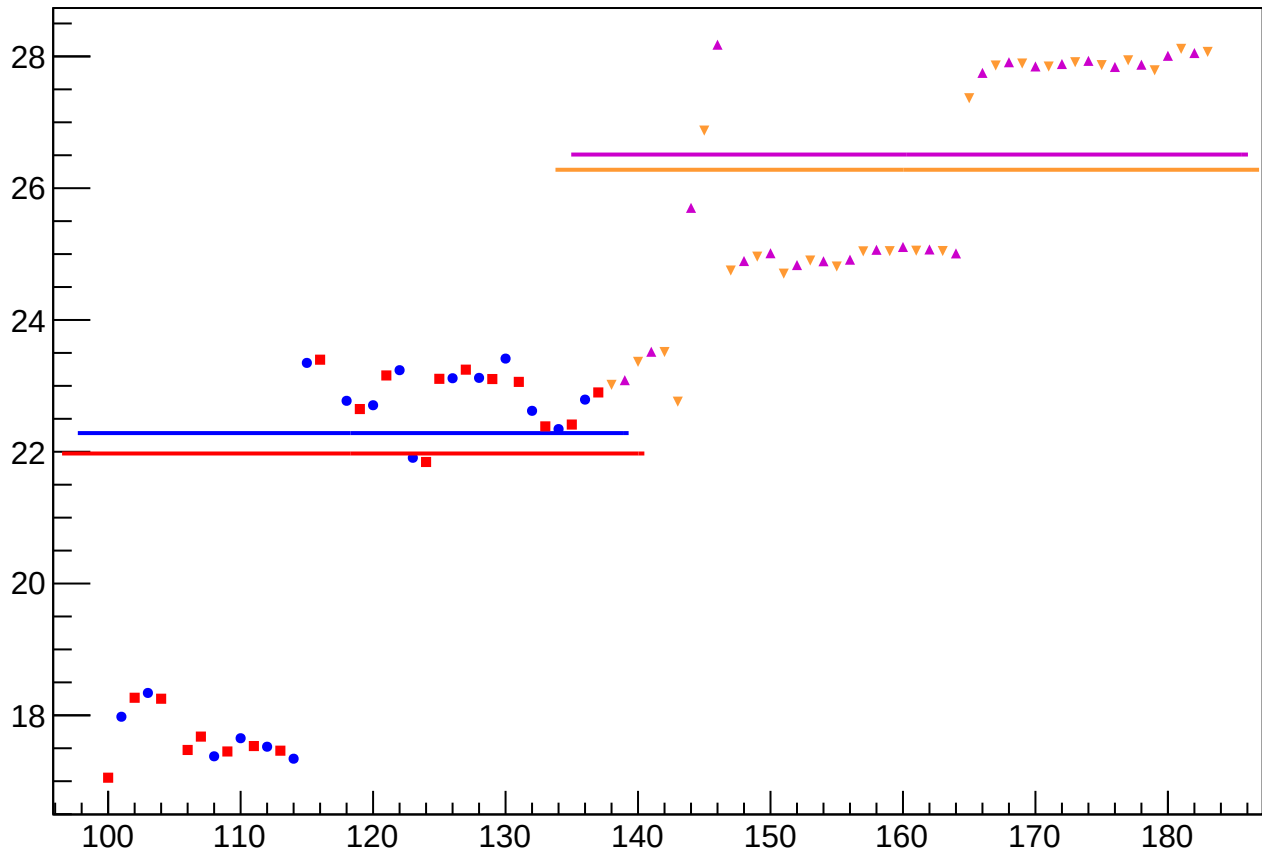
Right: 0.013+/-0.000 χ^2/NDF : 4271082.5/35

In: 0.011+/-0.000 χ^2/NDF : 2883691.5/38

Out: 0.011+/-0.000 χ^2/NDF : 3408596.9/42

All: 0.011+/-0.000 χ^2/NDF : 6294562.0/81

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.283+/-0.000 χ^2/NDF : 929007366.8/16

Left Out: 26.280+/-0.000 χ^2/NDF : 4611832610.9/23

Right Out: 21.974+/-0.000 χ^2/NDF : 1049661295.2/18

Left In: 26.511+/-0.000 χ^2/NDF : 3256448826.3/21

Left: 26.390+/-0.000 χ^2/NDF : 7903549709.0/45

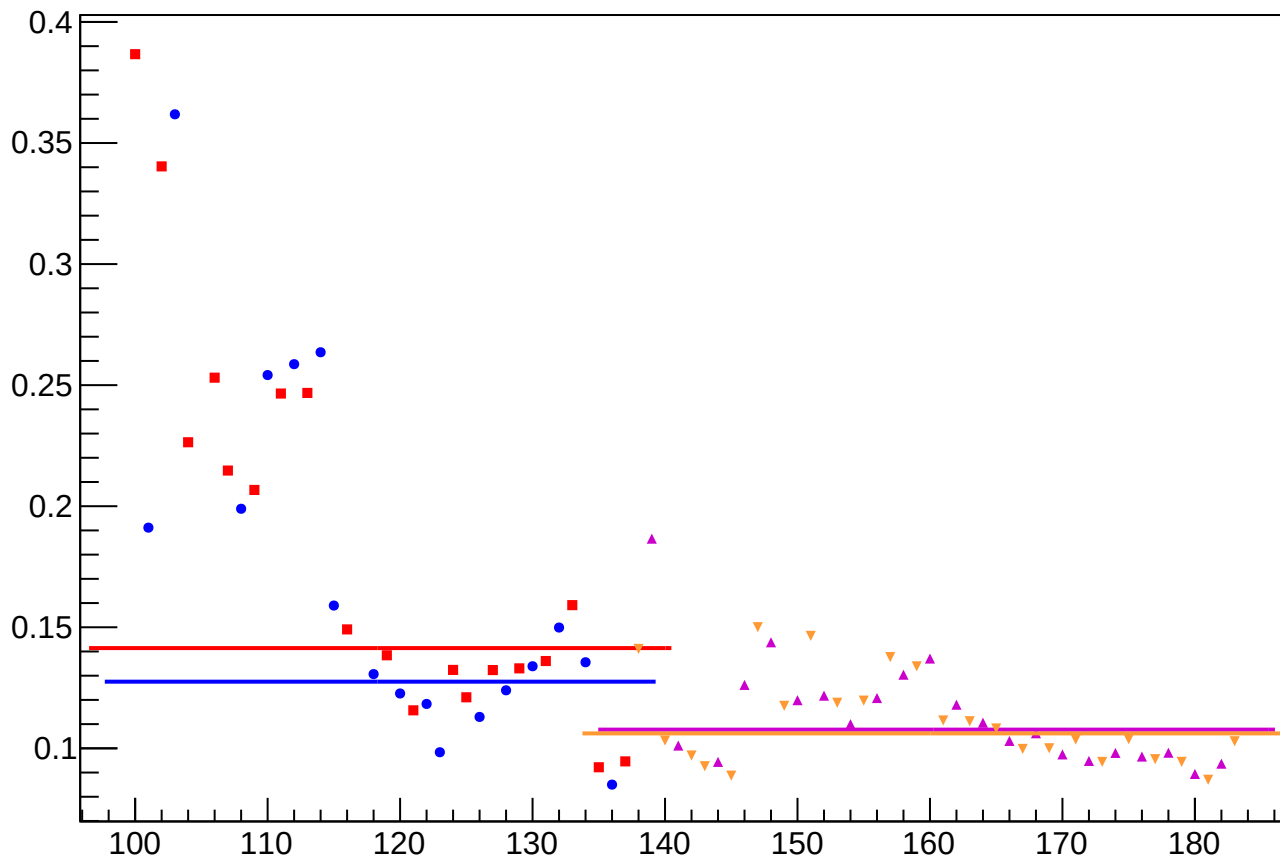
Right: 22.138+/-0.000 χ^2/NDF : 1992639915.1/35

In: 25.679+/-0.000 χ^2/NDF : 8641597744.9/38

Out: 25.567+/-0.000 χ^2/NDF : 9908986517.3/42

All: 25.622+/-0.000 χ^2/NDF : 18560854146.3

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1490198.9/16

Left Out: 0.106+/-0.000 χ^2/NDF : 721061.4/23

Right Out: 0.141+/-0.000 χ^2/NDF : 1447700.3/18

Left In: 0.108+/-0.000 χ^2/NDF : 762913.5/21

Left: 0.107+/-0.000 χ^2/NDF : 1487201.1/45

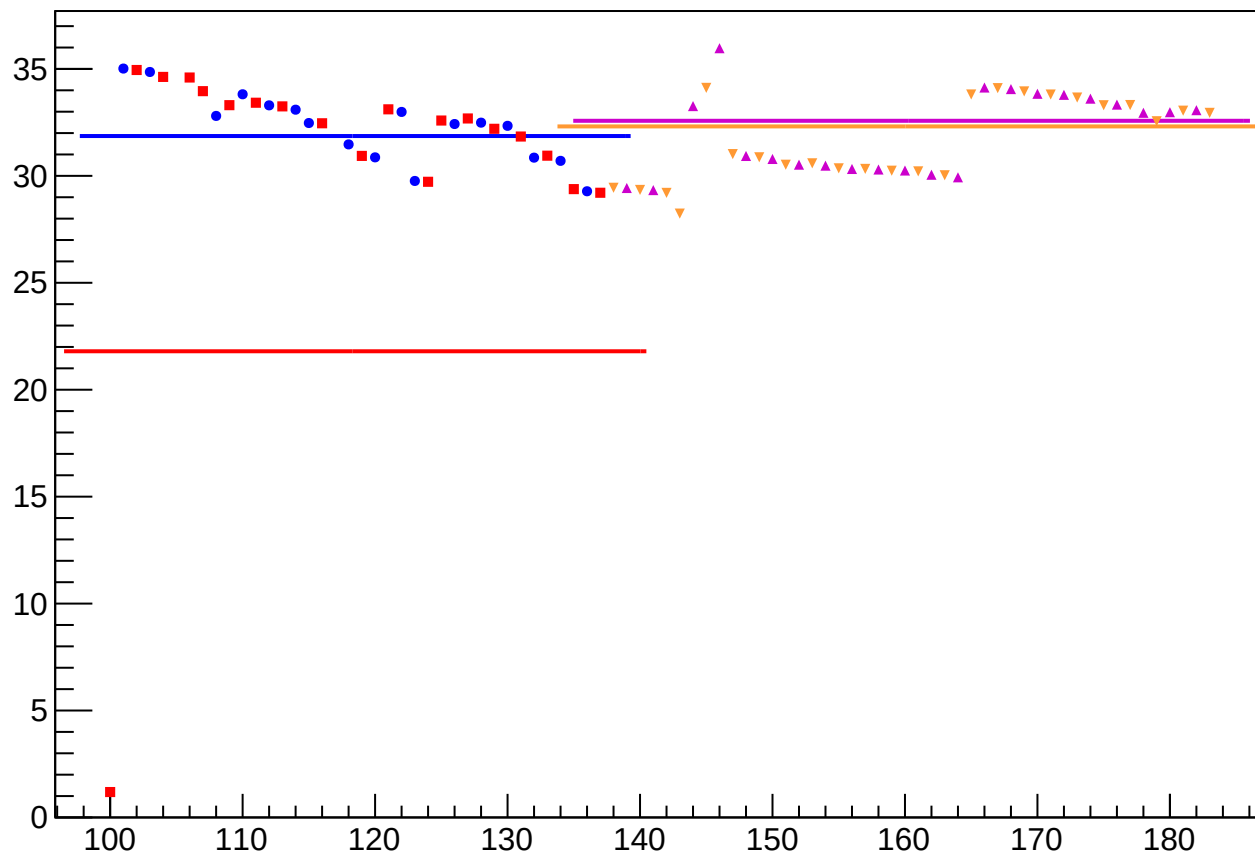
Right: 0.134+/-0.000 χ^2/NDF : 2993911.6/35

In: 0.112+/-0.000 χ^2/NDF : 2448756.7/38

Out: 0.112+/-0.000 χ^2/NDF : 2737470.8/42

All: 0.112+/-0.000 χ^2/NDF : 5186459.0/81

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.862 $\pm$ 0.000

χ^2/NDF : 1902439059.8/16

Left: 32.441 $\pm$ 0.000

χ^2/NDF : 24718834115.1/45

Left Out: 32.312 $\pm$ 0.000

χ^2/NDF : 12785030882.3/23

Right: 25.861 $\pm$ 0.000

χ^2/NDF : 274215683438.6/35

Right Out: 21.798 $\pm$ 0.000

χ^2/NDF : 228949728350.0/18

In: 32.463 $\pm$ 0.000

χ^2/NDF : 14007834050.8/38

Out: 30.108 $\pm$ 0.000

χ^2/NDF : 334382386495.6/42

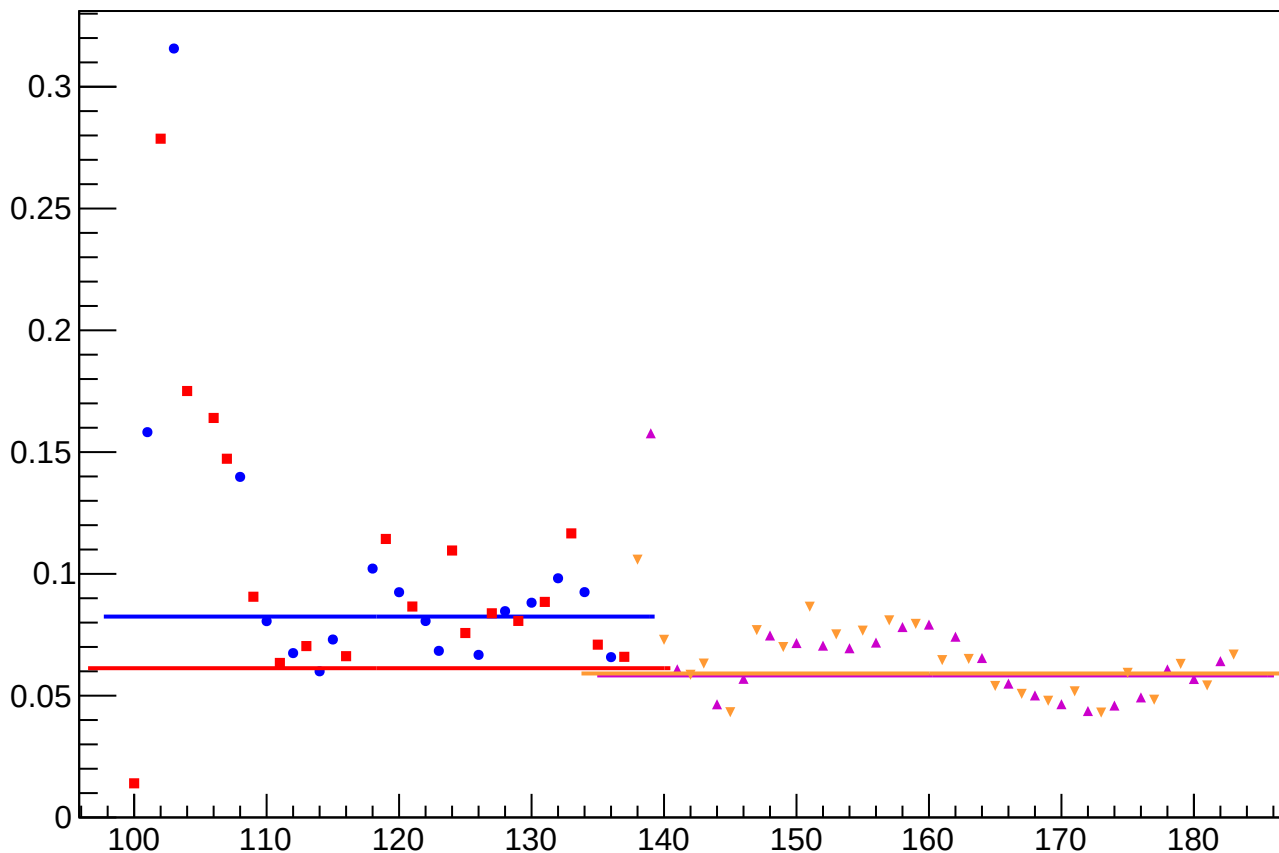
Left In: 32.575 $\pm$ 0.000

χ^2/NDF : 11797635217.8/21

All: 31.226 $\pm$ 0.000

χ^2/NDF : 361706698762.0

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1182597.0/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1375521.7/23

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3604725.9/18

Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525460.2/21

Left: 0.059 $\pm$ 0.000 χ^2 /NDF: 2903508.8/45

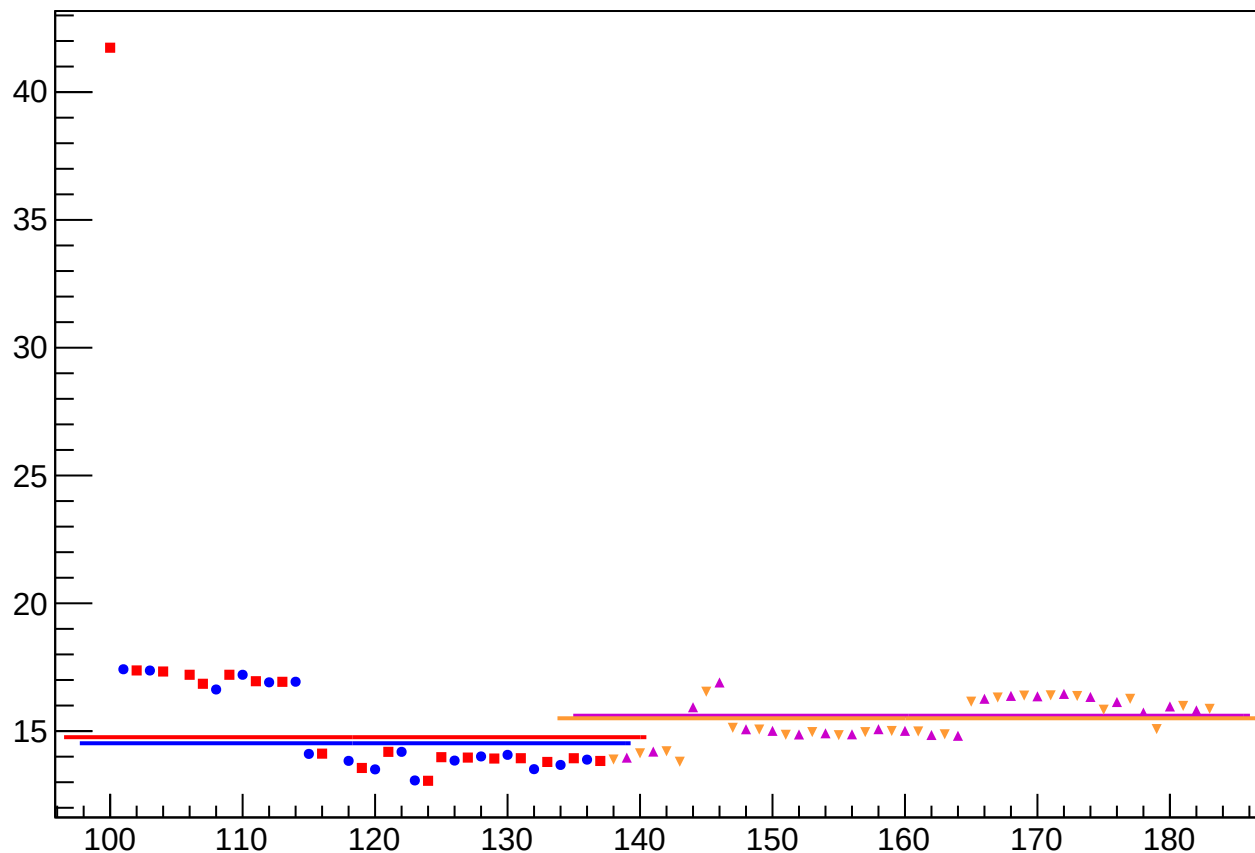
Right: 0.070 $\pm$ 0.000 χ^2 /NDF: 5171964.2/35

In: 0.062 $\pm$ 0.000 χ^2 /NDF:3414936.2/38

Out: 0.060 $\pm$ 0.000 χ^2 /NDF:4988124.9/42

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 8434020.0/81

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.524+/-0.000 χ^2/NDF : 1485492036.5/16

Left Out: 15.501+/-0.000 χ^2/NDF : 2524471922.3/23

Right Out: 14.762+/-0.000 χ^2/NDF : 1903088882.9/18

Left In: 15.602+/-0.000 χ^2/NDF : 1898876057.7/21

Left: 15.550+/-0.000 χ^2/NDF : 4441056887.7/45

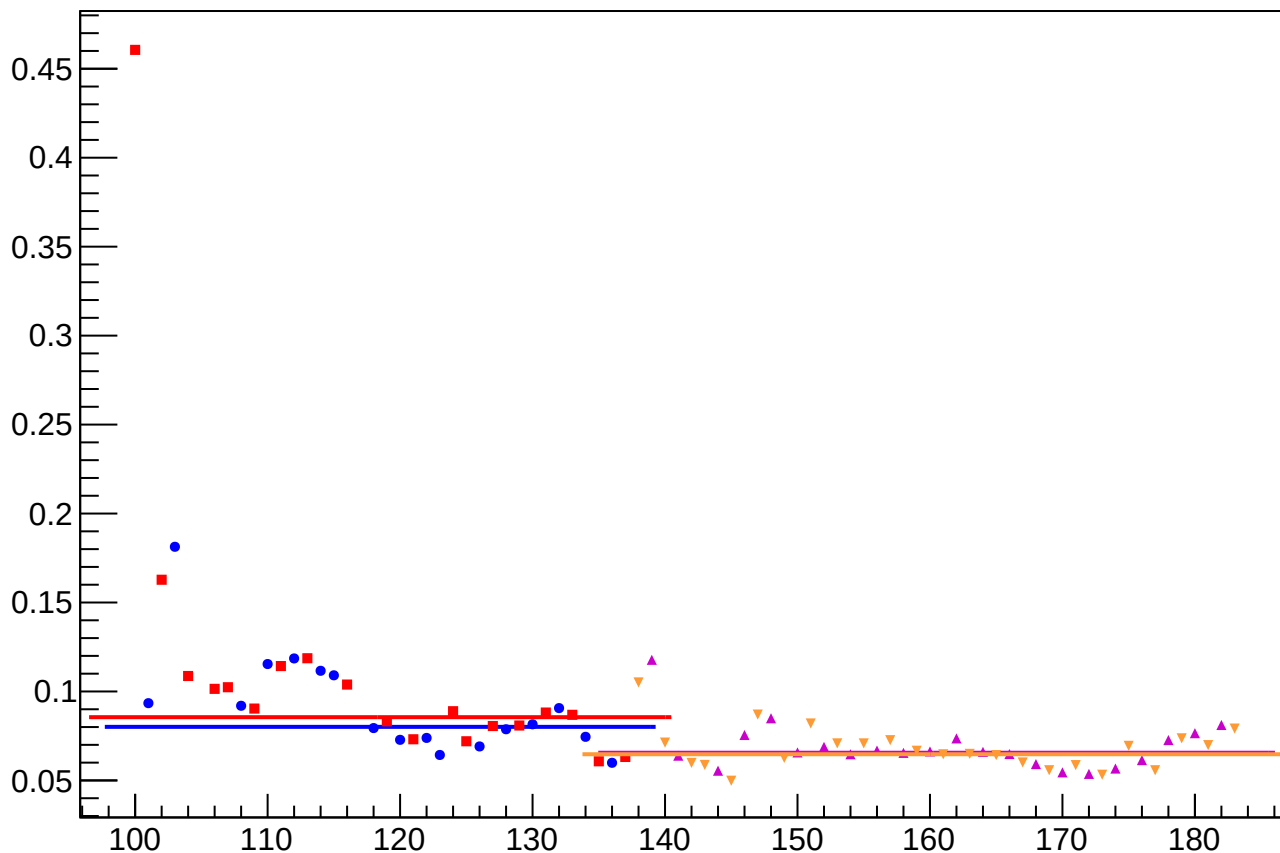
Right: 14.639+/-0.000 χ^2/NDF : 3411928914.0/35

In: 15.384+/-0.000 χ^2/NDF : 4179370398.5/38

Out: 15.369+/-0.000 χ^2/NDF : 4787048748.5/42

All: 15.376+/-0.000 χ^2/NDF : 8966905652.6/80

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 775791.3/16

Left Out: 0.065+/-0.000 χ^2/NDF : 744461.2/23

Right Out: 0.086+/-0.000 χ^2/NDF : 738760.7/18

Left In: 0.066+/-0.000 χ^2/NDF : 712012.1/21

Left: 0.065+/-0.000 χ^2/NDF : 1459051.3/45

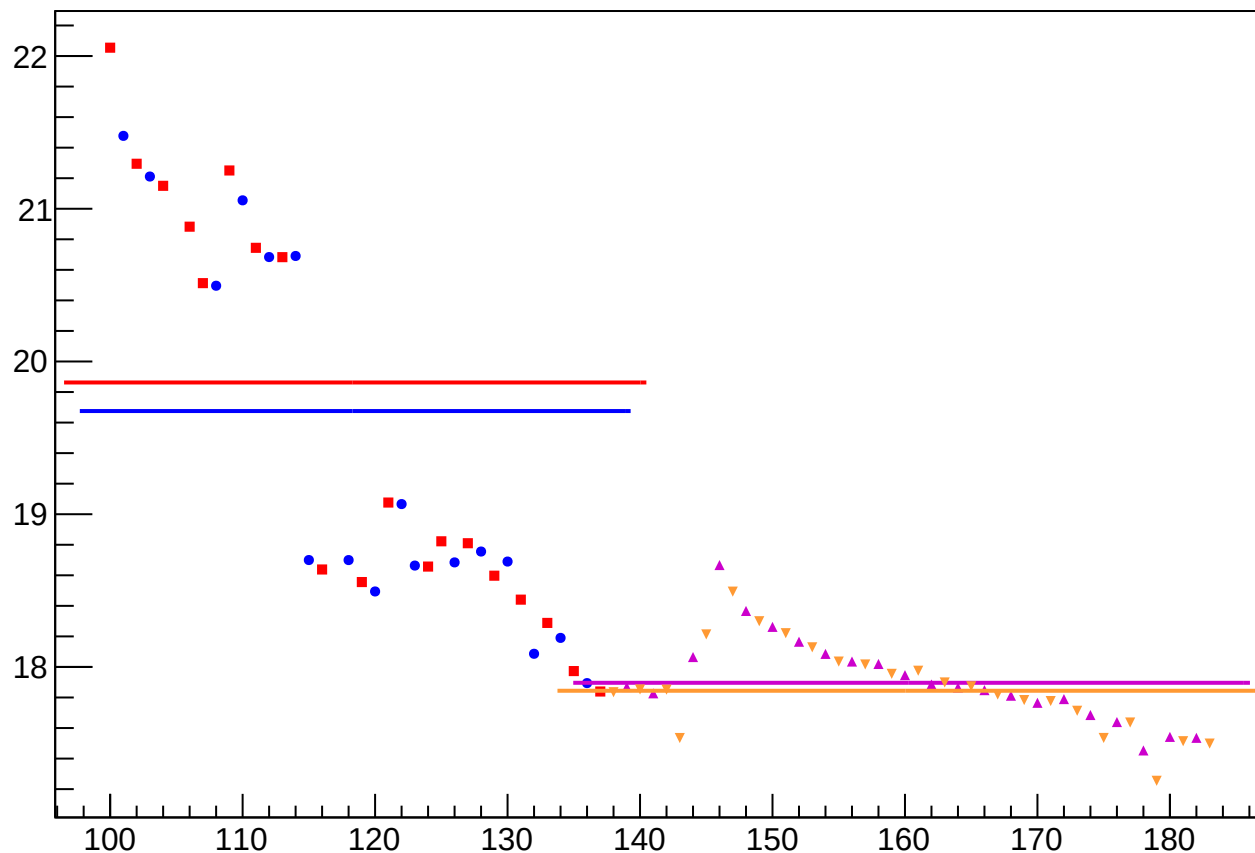
Right: 0.083+/-0.000 χ^2/NDF : 1539017.7/35

In: 0.069+/-0.000 χ^2/NDF : 1777427.5/38

Out: 0.068+/-0.000 χ^2/NDF : 2053410.9/42

All: 0.068+/-0.000 χ^2/NDF : 3830856.9/81

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.676+/-0.000 χ^2/NDF : 12360927493.1/16

Left Out: 17.844+/-0.000 χ^2/NDF : 1273776872.1/23

Right Out: 19.863+/-0.000 χ^2/NDF : 11443358824.6/18

Left In: 17.896+/-0.000 χ^2/NDF : 1119873907.7/21

Left: 17.869+/-0.000 χ^2/NDF : 2417657975.1/45

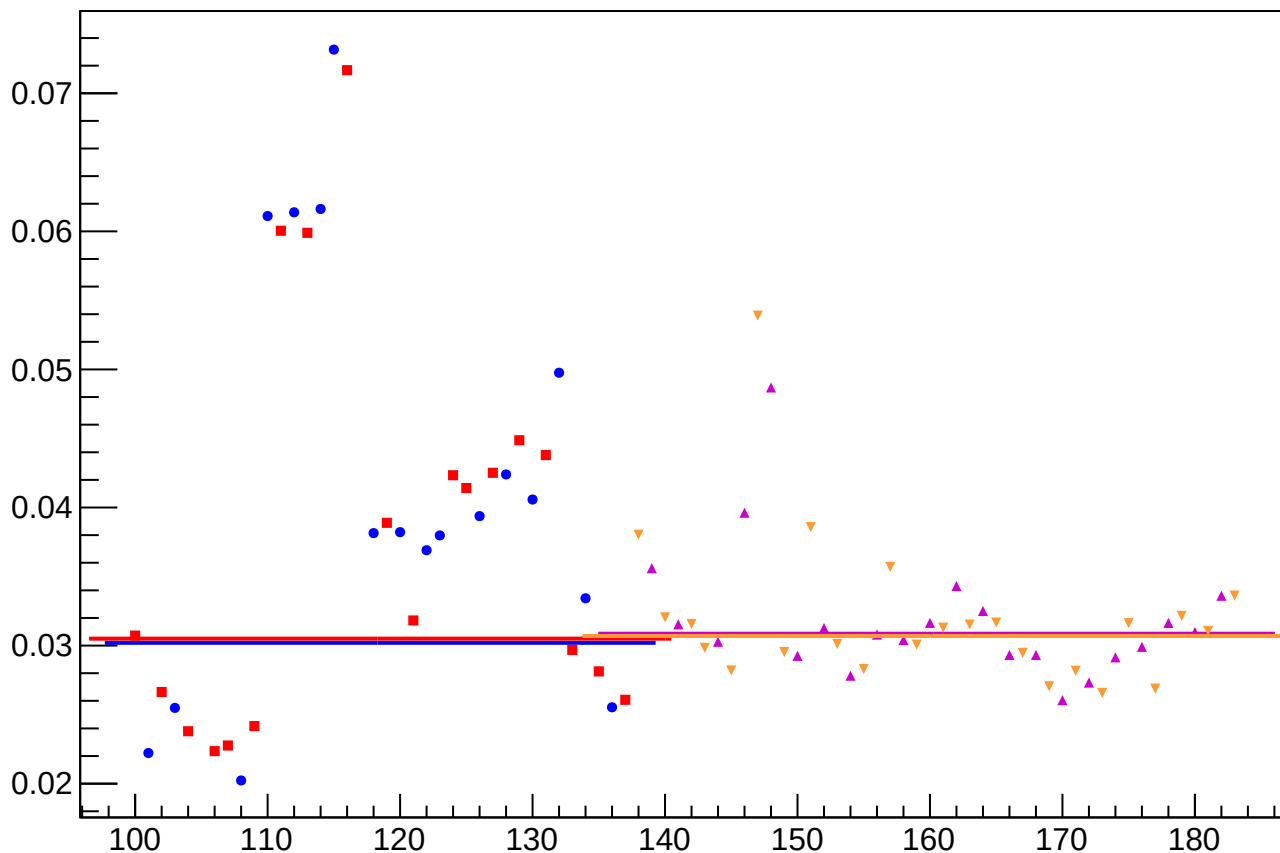
Right: 19.771+/-0.000 χ^2/NDF : 23912970775.0/35

In: 18.364+/-0.000 χ^2/NDF : 27731107286.4/38

Out: 18.363+/-0.000 χ^2/NDF : 31859917370.2/42

All: 18.363+/-0.000 χ^2/NDF : 59591029819.6

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1318915.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 575874.3/23

Right Out: 0.031+/-0.000 χ^2/NDF : 1176229.2/18

Left In: 0.031+/-0.000 χ^2/NDF : 449400.7/21

Left: 0.031+/-0.000 χ^2/NDF : 1025764.5/45

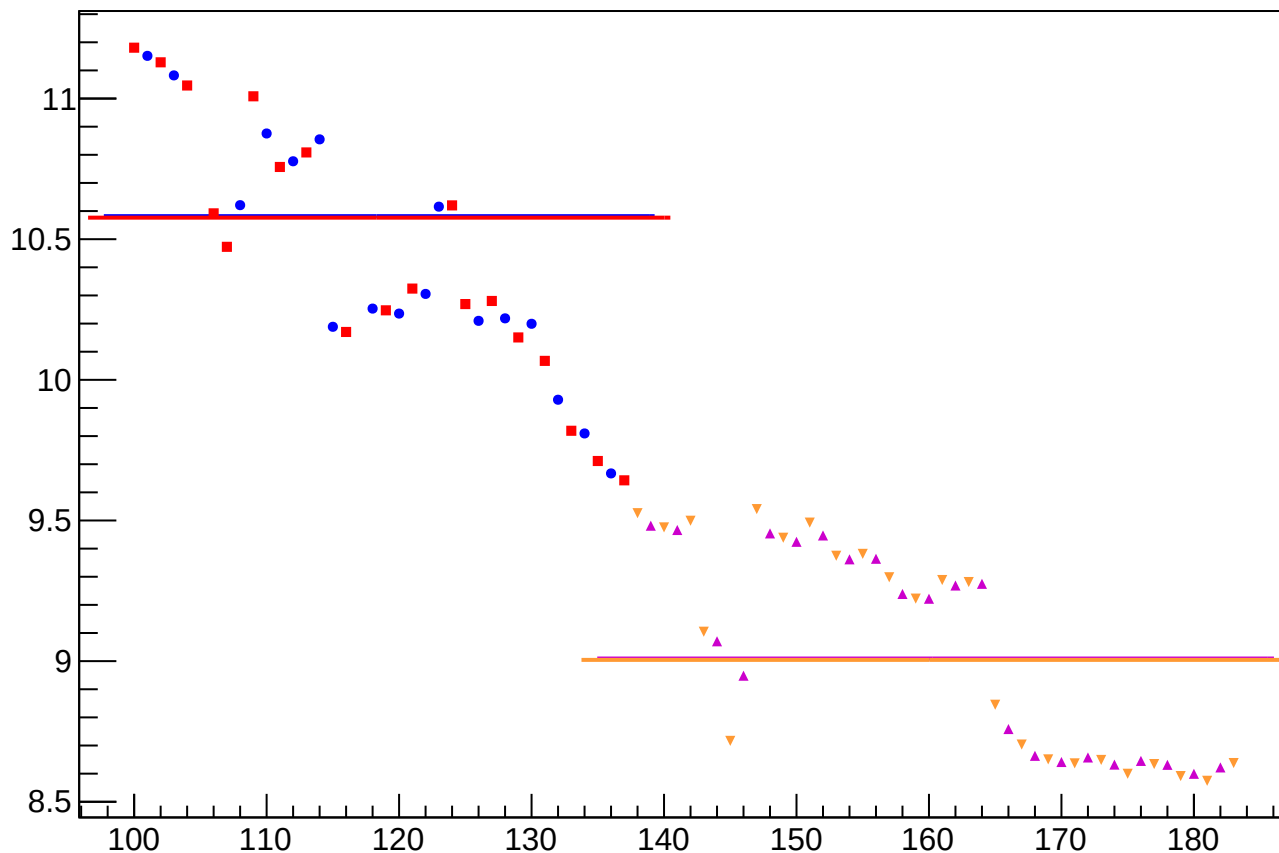
Right: 0.030+/-0.000 χ^2/NDF : 2495714.0/35

In: 0.031+/-0.000 χ^2/NDF : 1772231.3/38

Out: 0.031+/-0.000 χ^2/NDF : 1752443.8/42

All: 0.031+/-0.000 χ^2/NDF : 3524717.3/81

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.582+/-0.000 χ^2/NDF : 7496301993.4/16

Left Out: 9.004+/-0.000 χ^2/NDF : 6303027245.7/23

Right Out: 10.577+/-0.000 χ^2/NDF : 5832154064.6/18

Left In: 9.009+/-0.000 χ^2/NDF : 5178608060.5/21

Left: 9.007+/-0.000 χ^2/NDF : 11482147739.5/45

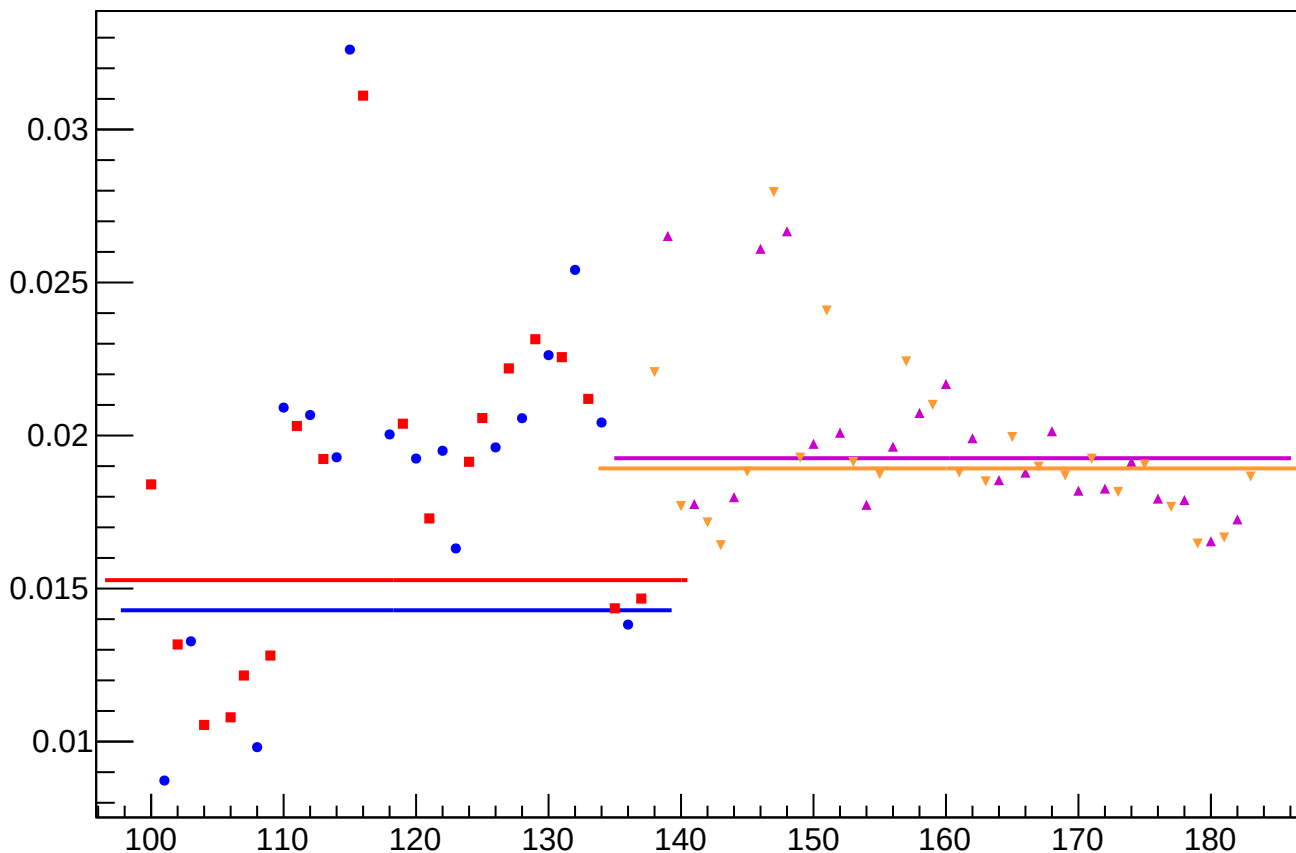
Right: 10.579+/-0.000 χ^2/NDF : 13328822109.0/35

In: 9.611+/-0.000 χ^2/NDF : 52406983168.0/38

Out: 9.560+/-0.000 χ^2/NDF : 52473732137.4/42

All: 9.585+/-0.000 χ^2/NDF : 104973152882.9

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1401060.2/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:424014.3/23

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 983878.2/18

Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:477190.1/21

Left: 0.019 $\pm$ 0.000 χ^2 /NDF: 906087.3/45

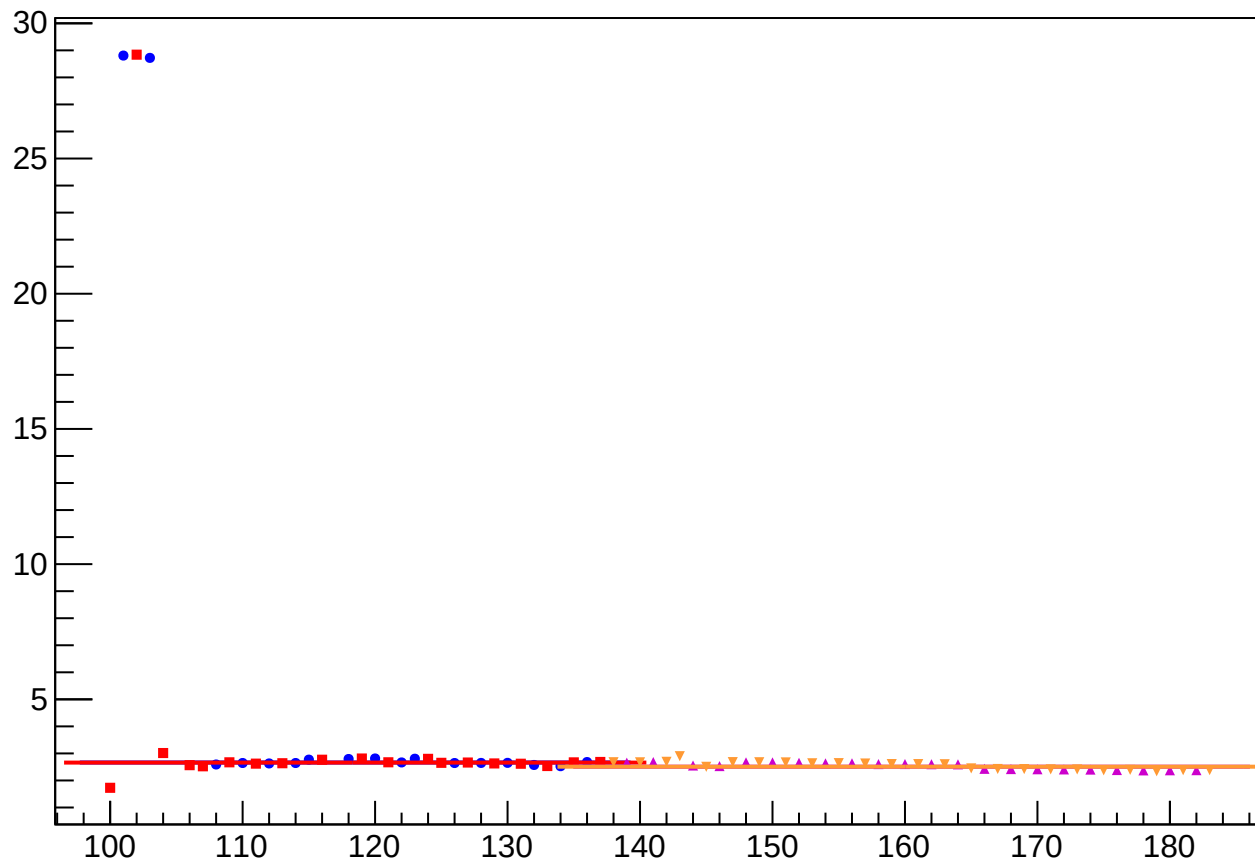
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 2409778.5/35

In: 0.017 $\pm$ 0.000 χ^2 /NDF:2671617.9/38

Out: 0.018 $\pm$ 0.000 χ^2 /NDF:1843101.0/42

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4520151.4/81

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664 $\pm$ 0.000 χ^2 /NDF: 163239224312.8/16

Left Out: 2.510 $\pm$ 0.000 χ^2 /NDF: 63275997627.5/23

Right Out: 2.661 $\pm$ 0.000 χ^2 /NDF: 70469517041.1/18

Left In: 2.509 $\pm$ 0.000 χ^2 /NDF: 41217895220.7/21

Left: 2.509 $\pm$ 0.000 χ^2 /NDF: 104495614205.4/45

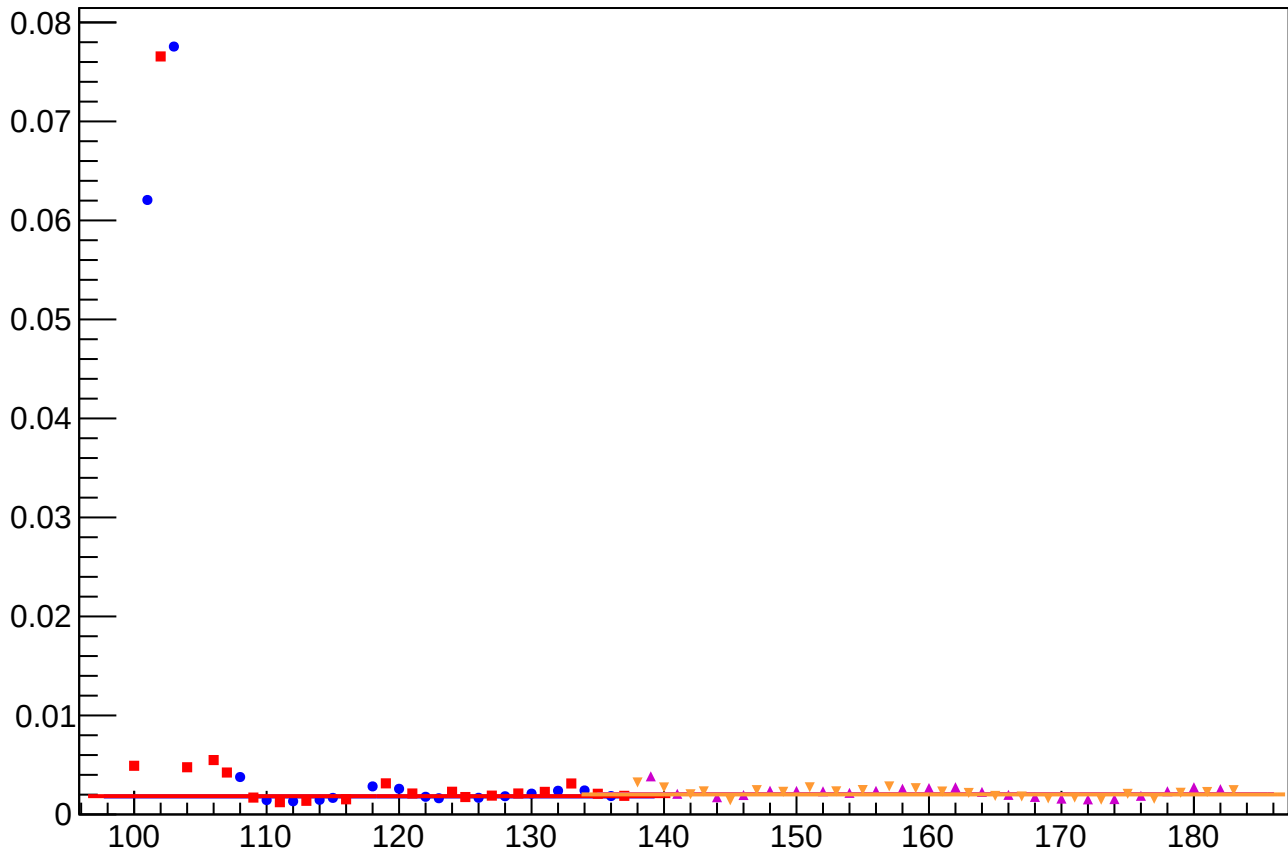
Right: 2.662 $\pm$ 0.000 χ^2 /NDF: 233714492758.5/35

In: 2.554 $\pm$ 0.000 χ^2 /NDF: 227360667003.6/38

Out: 2.553 $\pm$ 0.000 χ^2 /NDF: 156828595907.0/42

All: 2.553 $\pm$ 0.000 χ^2 /NDF: 384194910280.6

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661214.8/16

Left Out: 0.002+/-0.000 χ^2/NDF :1392120.3/23

Right Out: 0.002+/-0.000 χ^2/NDF : 2328485.5/18

Left In: 0.002+/-0.000 χ^2/NDF :1299554.9/21

Left: 0.002+/-0.000 χ^2/NDF : 2696509.1/45

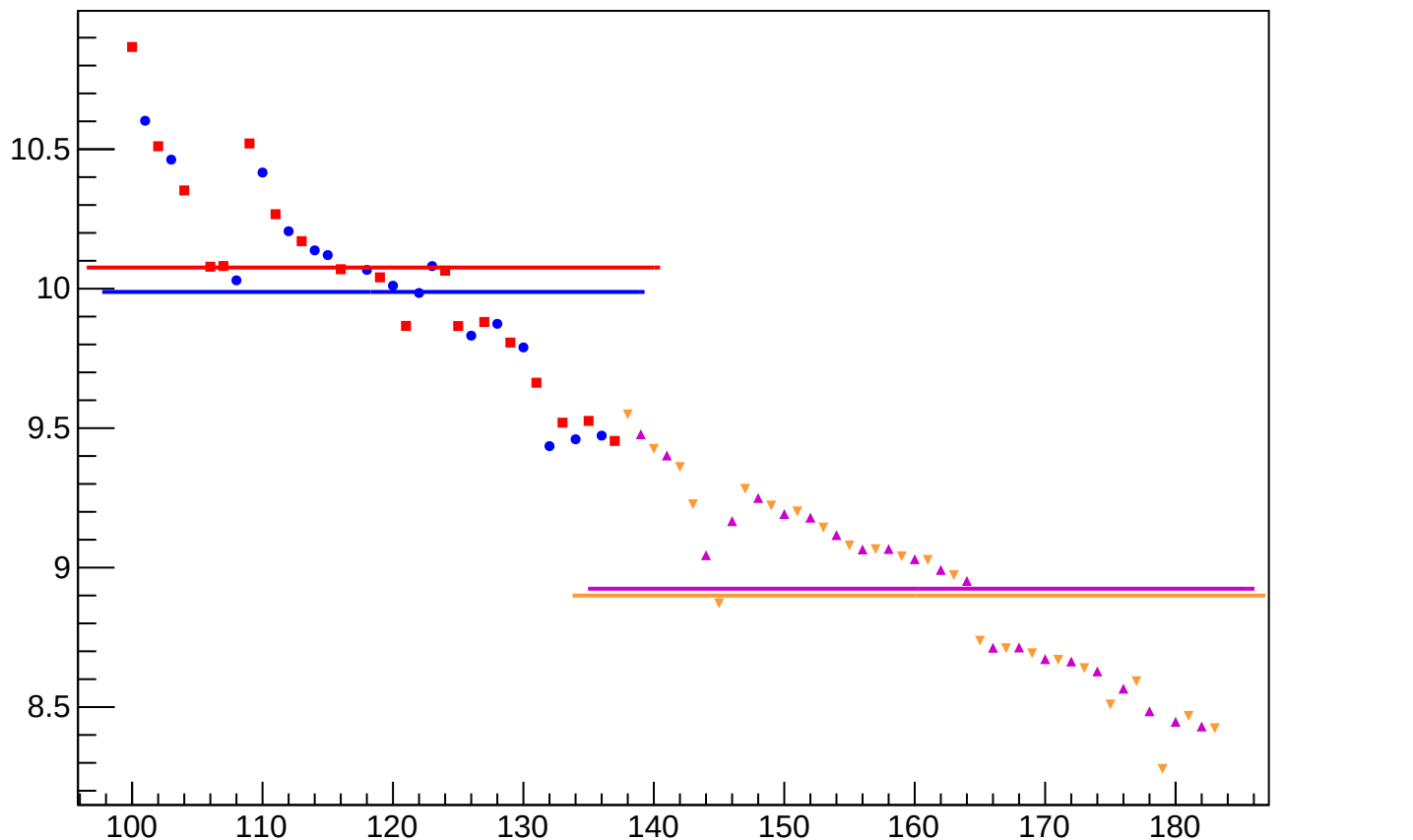
Right: 0.002+/-0.000 χ^2/NDF : 4990933.6/35

In: 0.002+/-0.000 χ^2/NDF :4074838.6/38

Out: 0.002+/-0.000 χ^2/NDF :3783944.2/42

All: 0.002+/-0.000 χ^2/NDF : 7860044.8/81

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.988 $\pm$ 0.000 χ^2 /NDF: 19058102133.2/16

Left Out: 8.900 $\pm$ 0.000 χ^2 /NDF: 33212162895.8/23

Right Out: 10.076 $\pm$ 0.000 χ^2 /NDF: 15960763158.3/18

Left In: 8.924 $\pm$ 0.000 χ^2 /NDF: 26088632945.2/21

Left: 8.911 $\pm$ 0.000 χ^2 /NDF: 59411114123.0/45

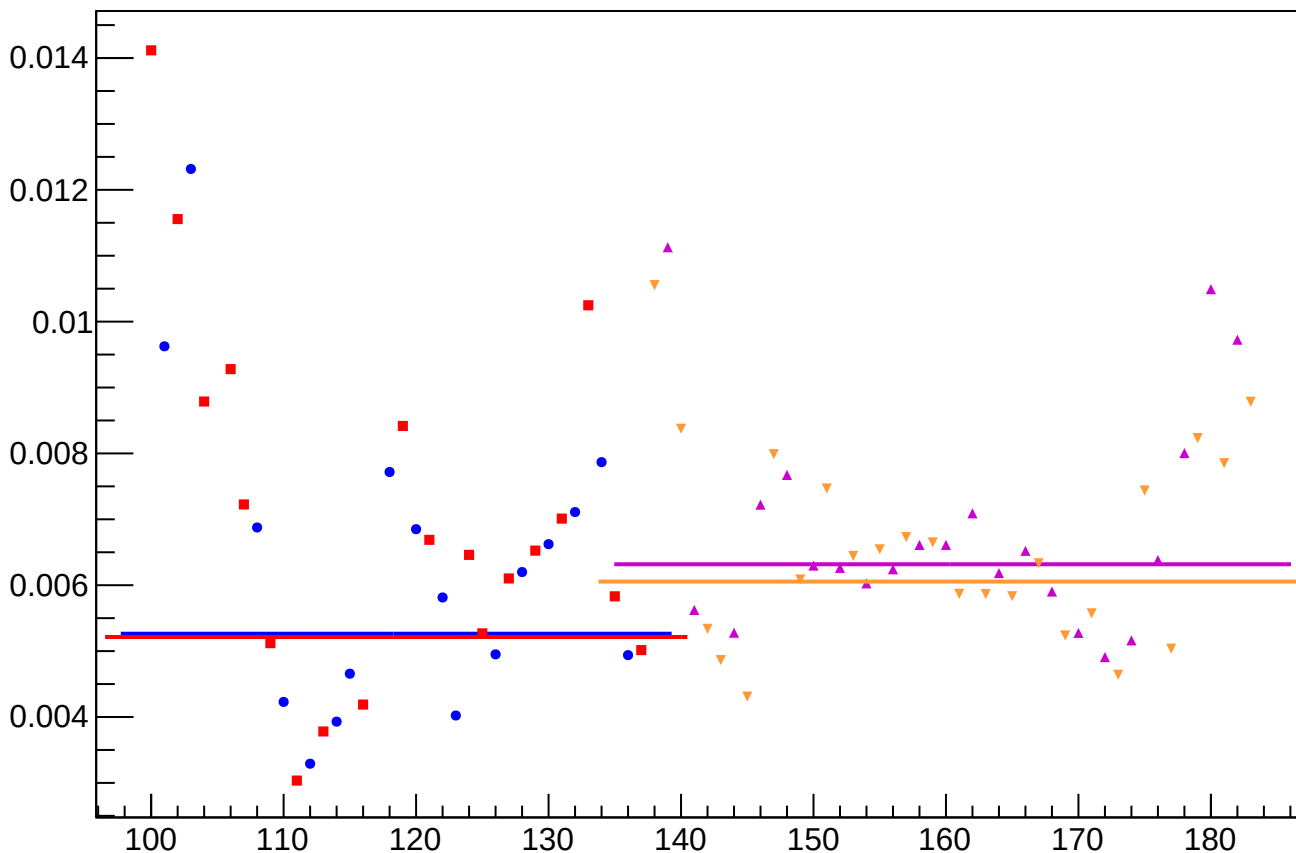
Right: 10.033 $\pm$ 0.000 χ^2 /NDF: 35731458435.6/35

In: 9.292 $\pm$ 0.000 χ^2 /NDF: 179313634316.5/38

Out: 9.286 $\pm$ 0.000 χ^2 /NDF: 227099168716.1/42

All: 9.289 $\pm$ 0.000 χ^2 /NDF: 406422750090.3

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1249771.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :1254499.9/23

Right Out: 0.005+/-0.000 χ^2/NDF : 1653053.2/18

Left In: 0.006+/-0.000 χ^2/NDF :1087051.1/21

Left: 0.006+/-0.000 χ^2/NDF : 2366836.4/45

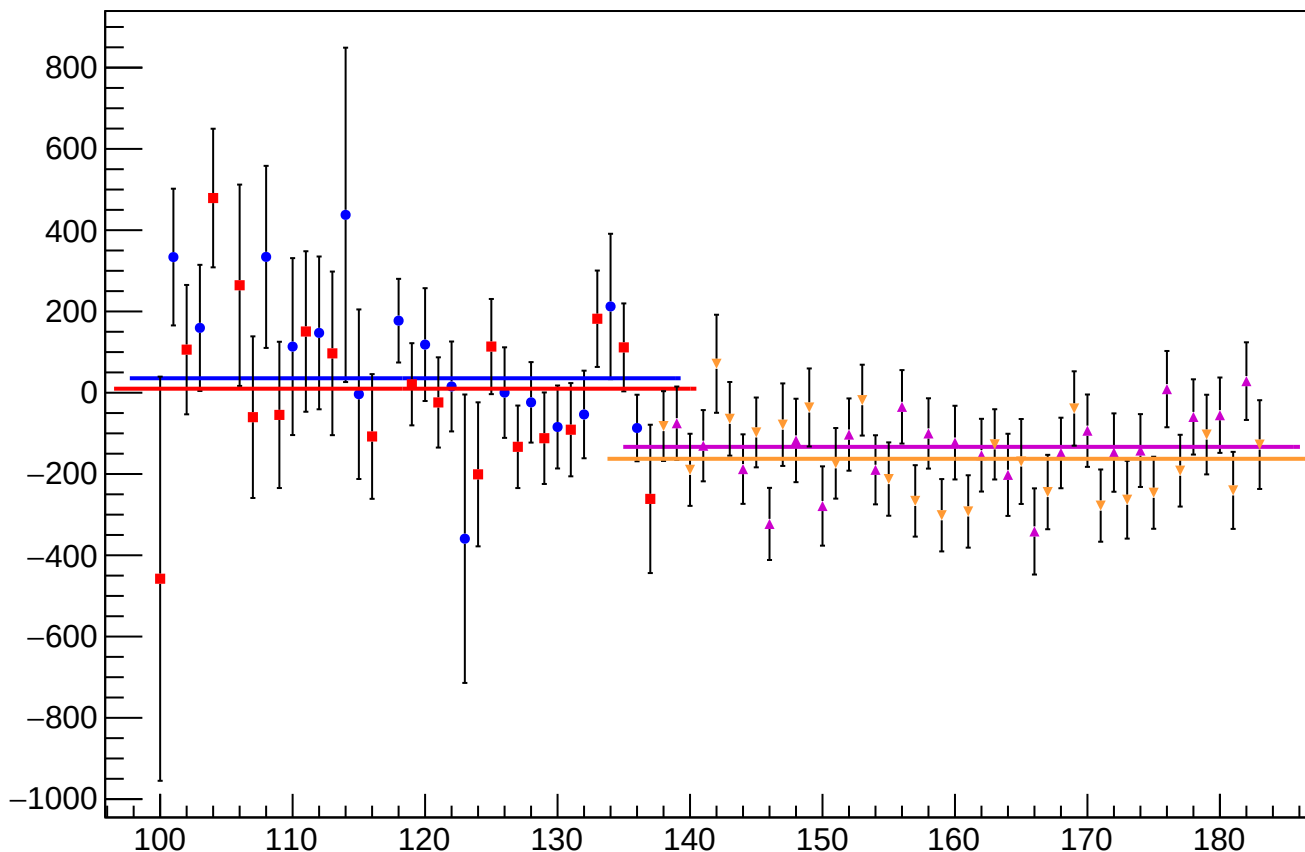
Right: 0.005+/-0.000 χ^2/NDF : 2903285.2/35

In: 0.006+/-0.000 χ^2/NDF :2600179.0/38

Out: 0.006+/-0.000 χ^2/NDF :3089408.6/42

All: 0.006+/-0.000 χ^2/NDF : 5706455.6/81

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 35.612 $\pm$ 32.342 χ^2 /NDF: 16.3/16

Left Out: -162.573 $\pm$ 18.839 χ^2 /NDF:25.6/23

Right Out: 9.921 $\pm$ 32.186 χ^2 /NDF: 22.8/18

Left In: -133.206 $\pm$ 19.547 χ^2 /NDF:20.7/21

Left: -148.431 $\pm$ 13.565 χ^2 /NDF: 47.5/45

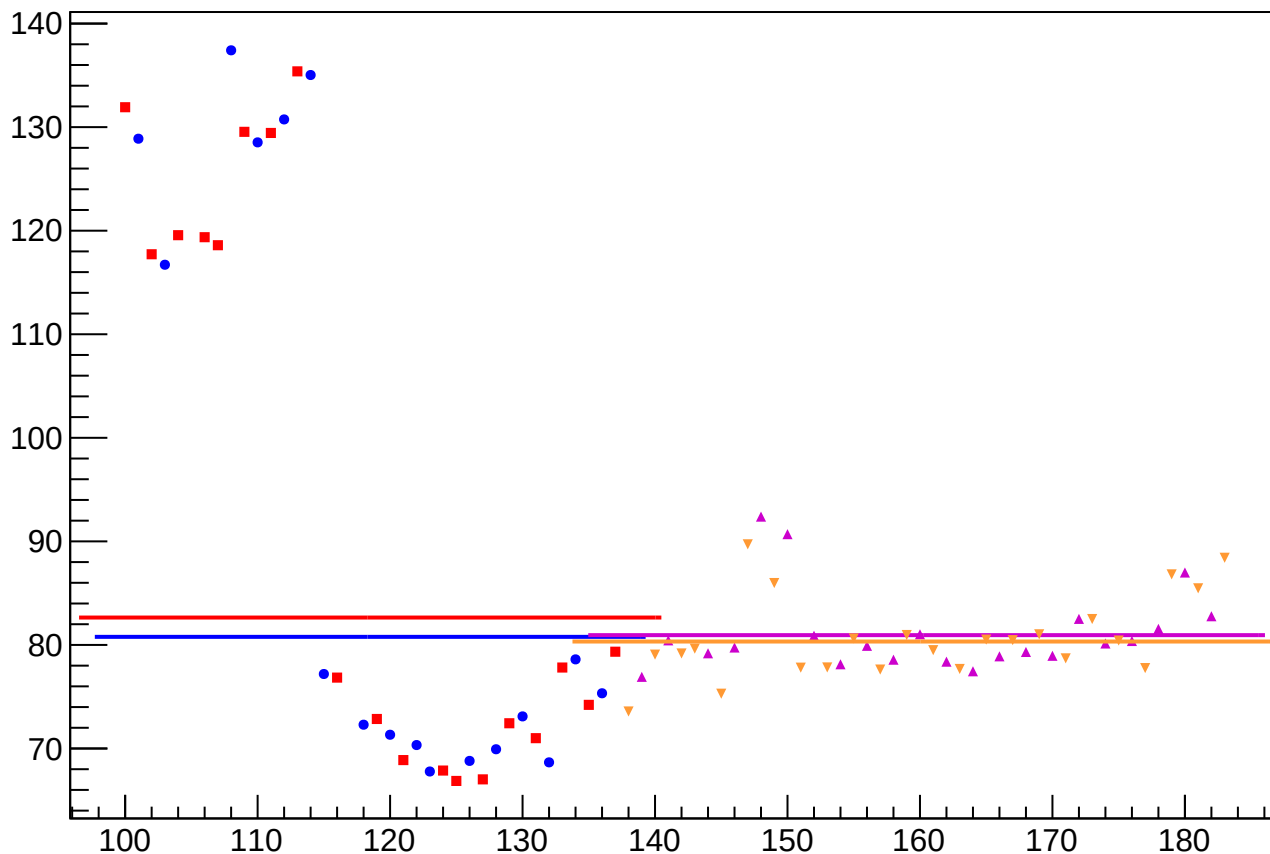
Right: 22.705 $\pm$ 22.814 χ^2 /NDF: 39.4/35

In: -88.038 $\pm$ 16.729 χ^2 /NDF:56.9/38

Out: -118.557 $\pm$ 16.259 χ^2 /NDF:69.9/42

All: -103.732 $\pm$ 11.659 χ^2 /NDF: 128.5/81

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.781 $\pm$ 0.023 χ^2 /NDF: 807781.3/16

Left Out: 80.329 $\pm$ 0.013 χ^2 /NDF:80503.8/23

Right Out: 82.645 $\pm$ 0.023 χ^2 /NDF: 908392.3/18

Left In: 80.945 $\pm$ 0.014 χ^2 /NDF:70583.5/21

Left: 80.626 $\pm$ 0.010 χ^2 /NDF: 152118.0/45

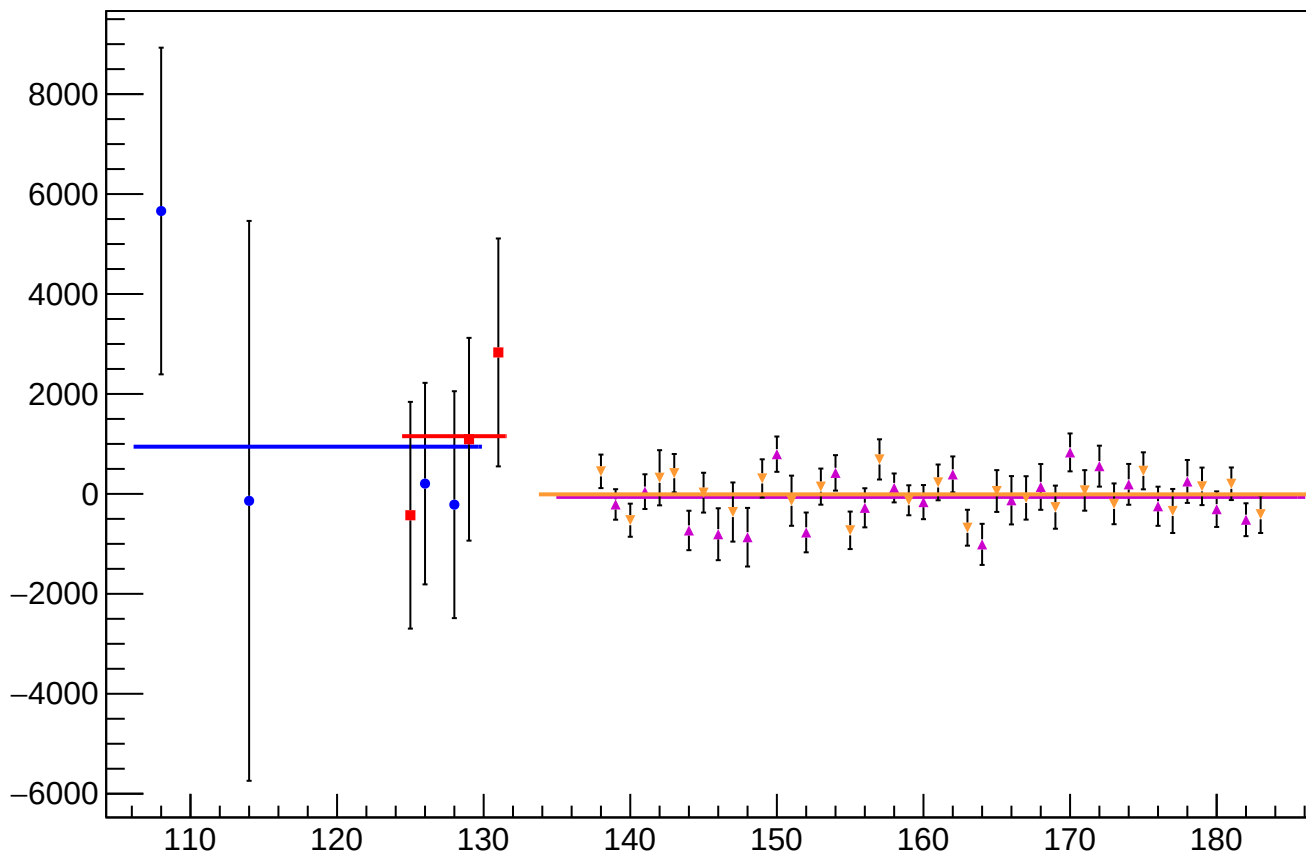
Right: 81.717 $\pm$ 0.016 χ^2 /NDF: 1719511.7/35

In: 80.901 $\pm$ 0.012 χ^2 /NDF:878402.8/38

Out: 80.920 $\pm$ 0.011 χ^2 /NDF:996607.4/42

All: 80.911 $\pm$ 0.008 χ^2 /NDF: 1875011.4/81

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: 944.622 ± 1329.889 $\chi^2/\text{NDF}: 2.5/3$

Left Out: -9.324 ± 79.029 $\chi^2/\text{NDF}: 22.5/23$

Right Out: 1154.707 ± 1260.302 $\chi^2/\text{NDF}: 1.0/2$

Left In: -60.092 ± 81.095 $\chi^2/\text{NDF}: 37.3/21$

Left: -34.053 ± 56.598 $\chi^2/\text{NDF}: 60.0/45$

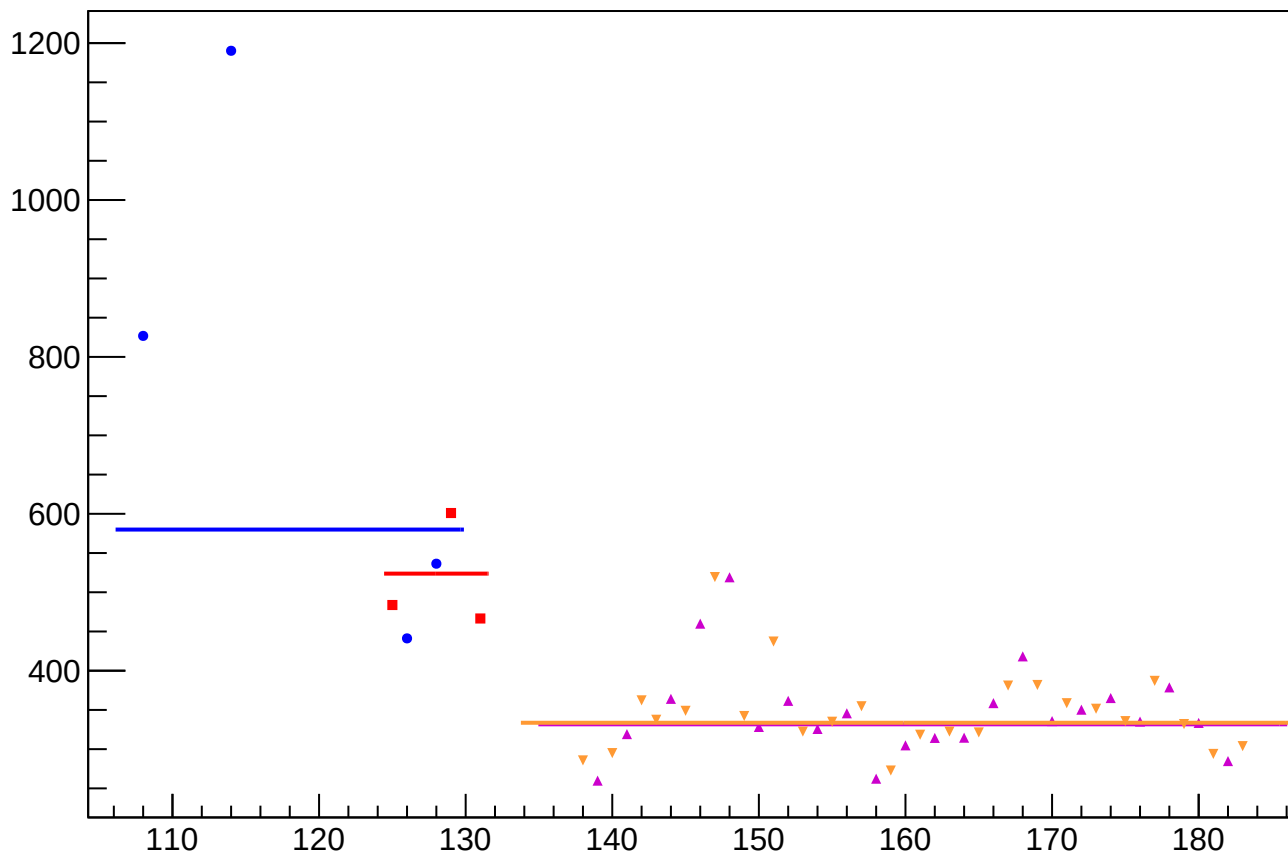
Right: 1055.304 ± 914.780 $\chi^2/\text{NDF}: 3.6/6$

In: -56.370 ± 80.944 $\chi^2/\text{NDF}: 40.4/25$

Out: -4.764 ± 78.874 $\chi^2/\text{NDF}: 24.4/26$

All: -29.899 ± 56.490 $\chi^2/\text{NDF}: 65.0/52$

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 579.917+/-0.940 χ^2/NDF : 45346.8/3

Left Out: 333.654+/-0.056 χ^2/NDF : 588599.0/23

Right Out: 523.753+/-0.891 χ^2/NDF : 4780.0/2

Left In: 331.649+/-0.057 χ^2/NDF : 763195.6/21

Left: 332.677+/-0.040 χ^2/NDF : 1352421.6/45

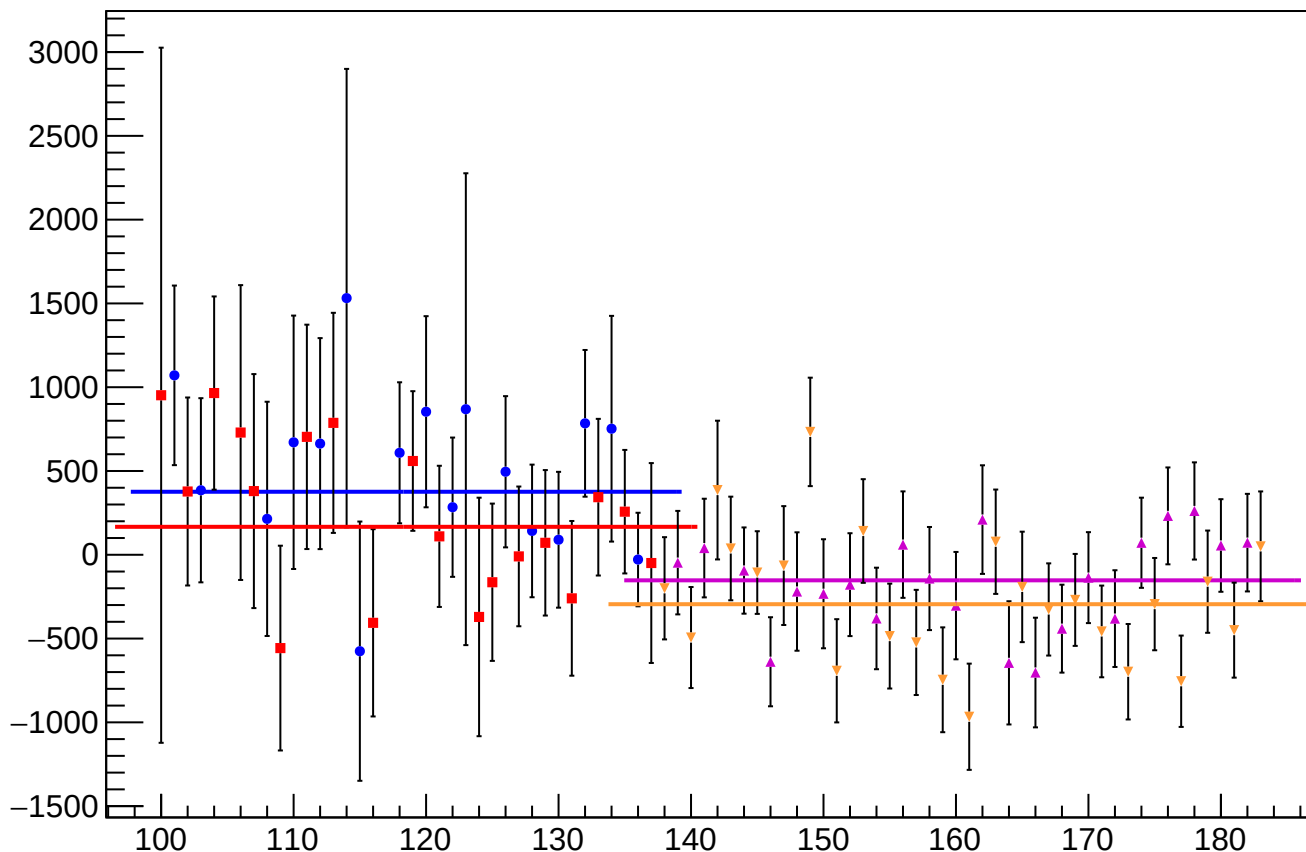
Right: 550.327+/-0.647 χ^2/NDF : 52006.2/6

In: 332.569+/-0.057 χ^2/NDF : 877985.6/25

Out: 334.398+/-0.056 χ^2/NDF : 638703.9/26

All: 333.507+/-0.040 χ^2/NDF : 1517213.7/52

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 376.077 $\pm$ 121.292 χ^2 /NDF: 9.7/16

Left Out: -294.968 $\pm$ 61.505 χ^2 /NDF:35.0/23

Right Out: 166.872 $\pm$ 120.731 χ^2 /NDF: 10.1/18

Left In: -152.515 $\pm$ 63.320 χ^2 /NDF:18.7/21

Left: -225.813 $\pm$ 44.119 χ^2 /NDF: 56.2/45

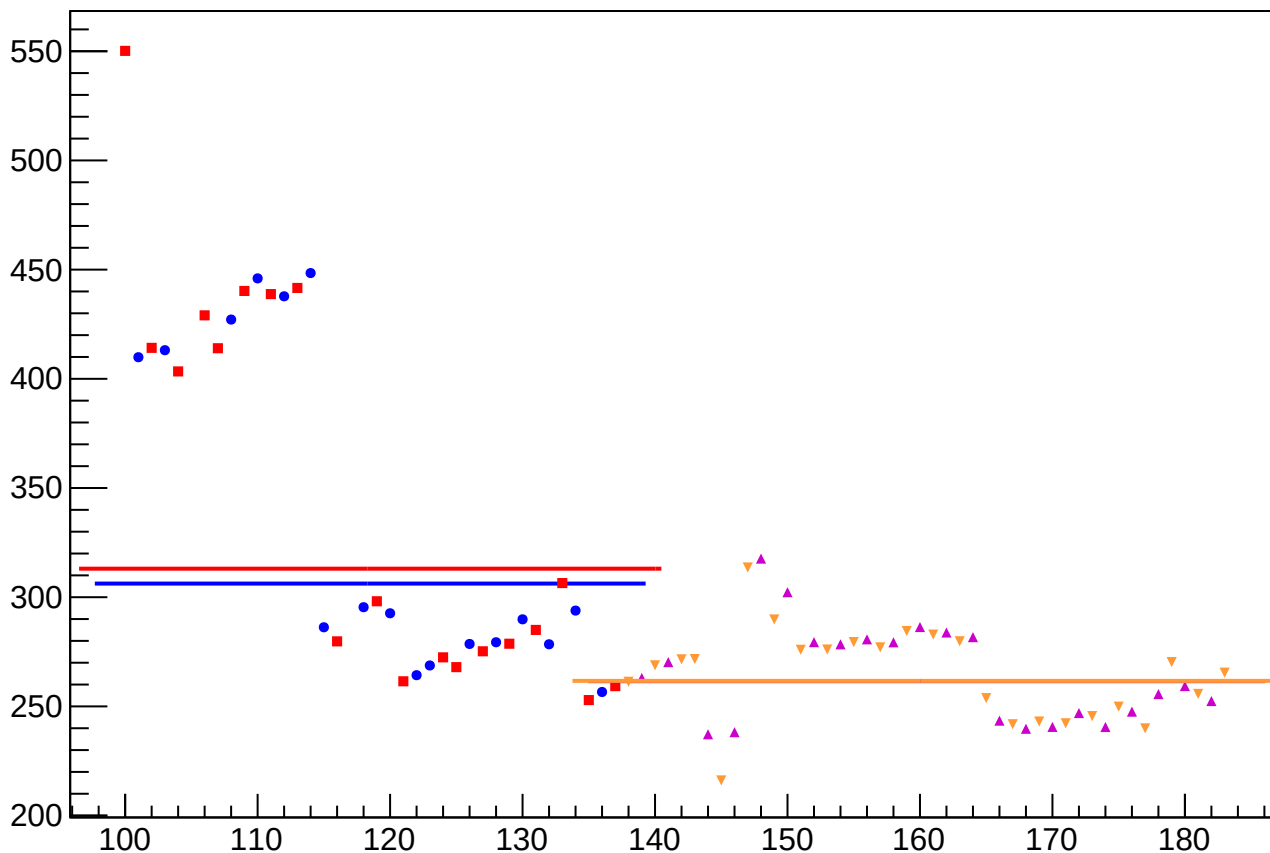
Right: 270.989 $\pm$ 85.567 χ^2 /NDF: 21.3/35

In: -39.308 $\pm$ 56.132 χ^2 /NDF:43.3/38

Out: -199.804 $\pm$ 54.803 χ^2 /NDF:56.7/42

All: -121.478 $\pm$ 39.213 χ^2 /NDF: 104.2/81

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.241+/-0.086 χ^2/NDF : 505092.7/16

Left Out: 261.695+/-0.043 χ^2/NDF : 233194.1/23

Right Out: 313.066+/-0.085 χ^2/NDF : 621526.7/18

Left In: 261.549+/-0.045 χ^2/NDF : 228000.1/21

Left: 261.624+/-0.031 χ^2/NDF : 461199.7/45

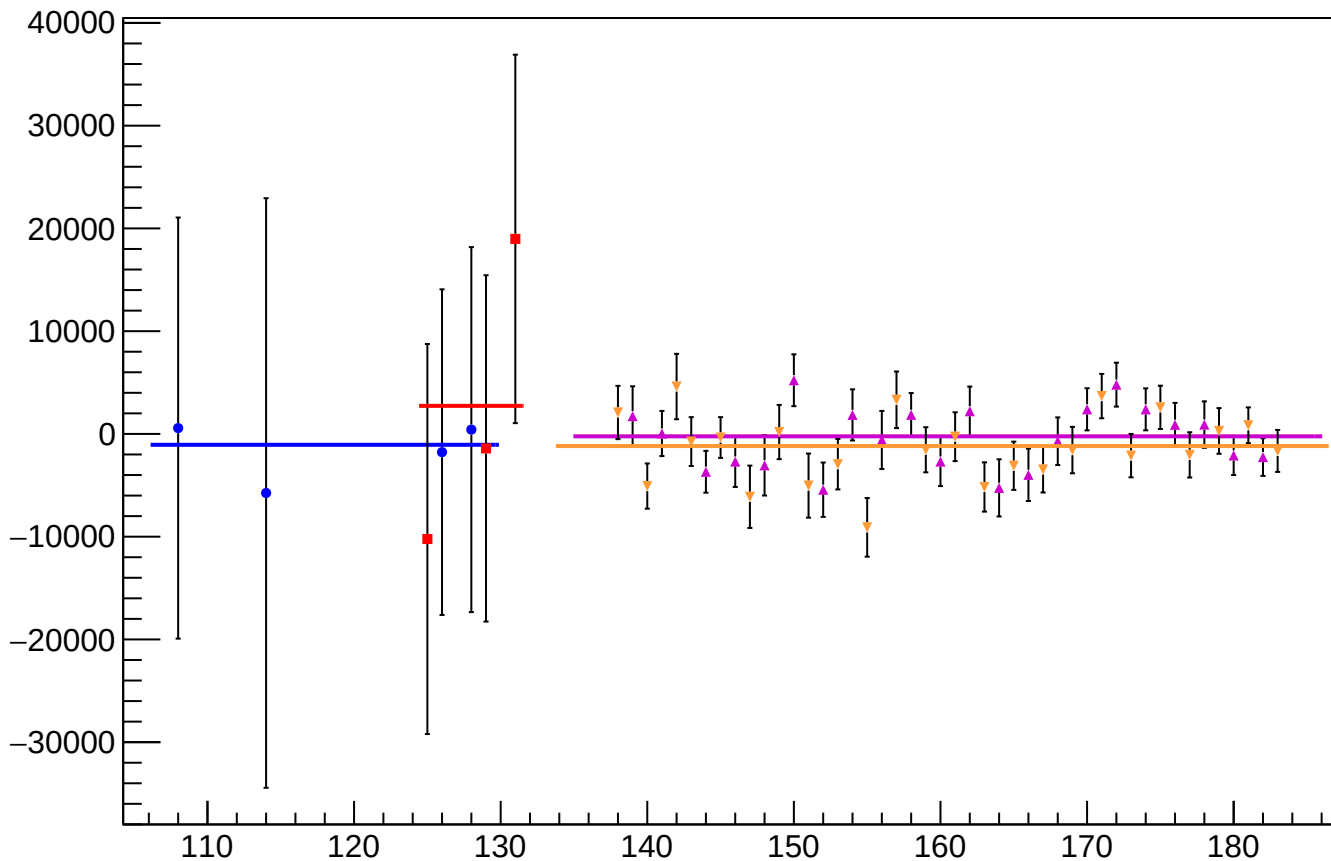
Right: 309.669+/-0.061 χ^2/NDF : 1129800.6/35

In: 271.121+/-0.040 χ^2/NDF : 946473.2/38

Out: 272.280+/-0.039 χ^2/NDF : 1142215.1/42

All: 271.714+/-0.028 χ^2/NDF : 2089125.2/81

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -1057.023+/-9645.185 χ^2/NDF : 0.0/3

Left Out: -1180.198+/-474.592 χ^2/NDF :38.7/23

Right Out: 2731.442+/-10310.351 χ^2/NDF : 1.3/2

Left In: -234.451+/-490.194 χ^2/NDF :34.6/21

Left: -722.614+/-340.970 χ^2/NDF : 75.2/45

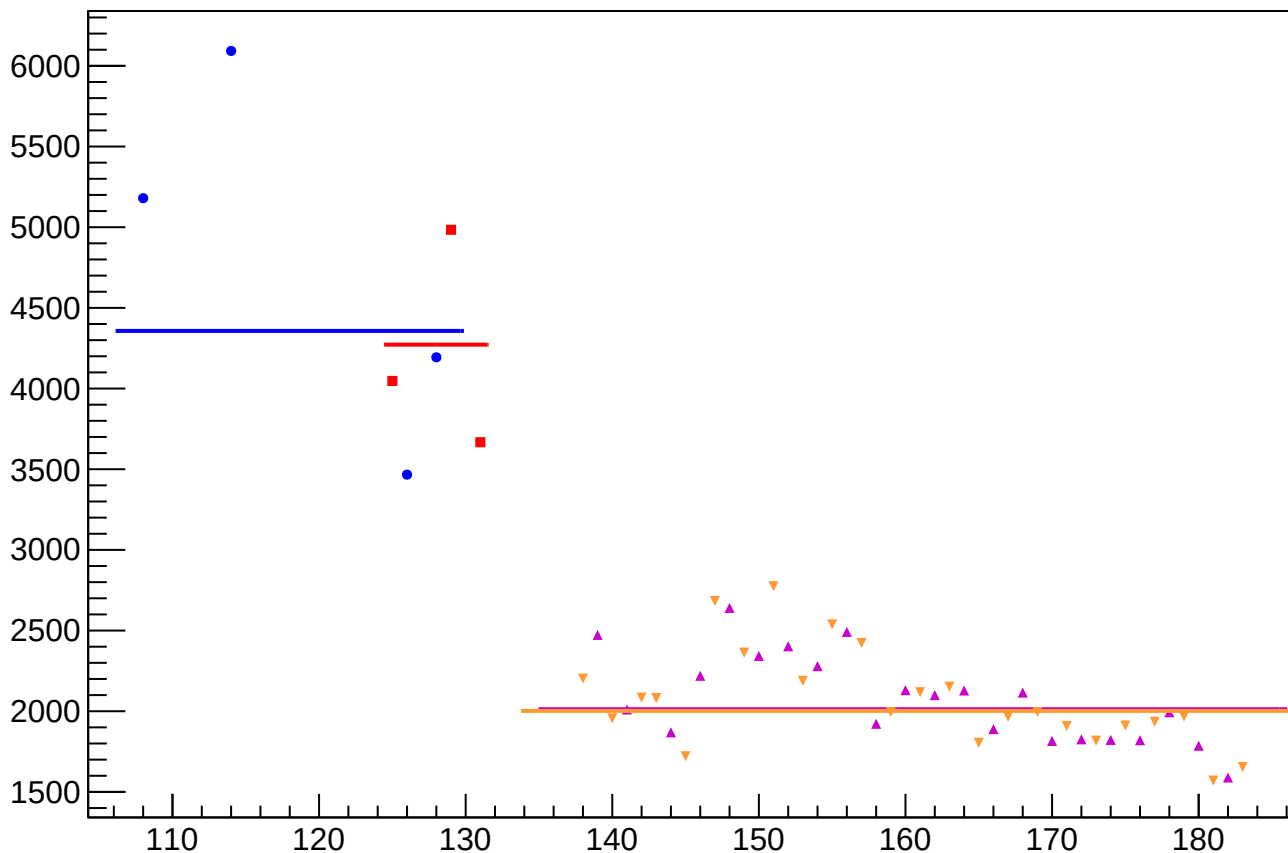
Right: 711.071+/-7043.597 χ^2/NDF : 1.5/6

In: -236.570+/-489.562 χ^2/NDF :34.6/25

Out: -1171.927+/-474.090 χ^2/NDF :40.2/26

All: -719.262+/-340.571 χ^2/NDF : 76.7/52

asym_sam2_correction_rms vs Slug, Sign Corrected



Left: 2007.279 $\pm$ 0.241 χ^2/NDF : 1230322.5/45

Right: 4317.508 $\pm$ 4.981 χ^2/NDF : 23229.0/6

In: 2018.845 $\pm$ 0.346 χ^2/NDF : 684525.5/25

Out: 2006.899 $\pm$ 0.335 χ^2/NDF : 783063.4/26

All: 2012.680 $\pm$ 0.241 χ^2/NDF : 1468203.4/52

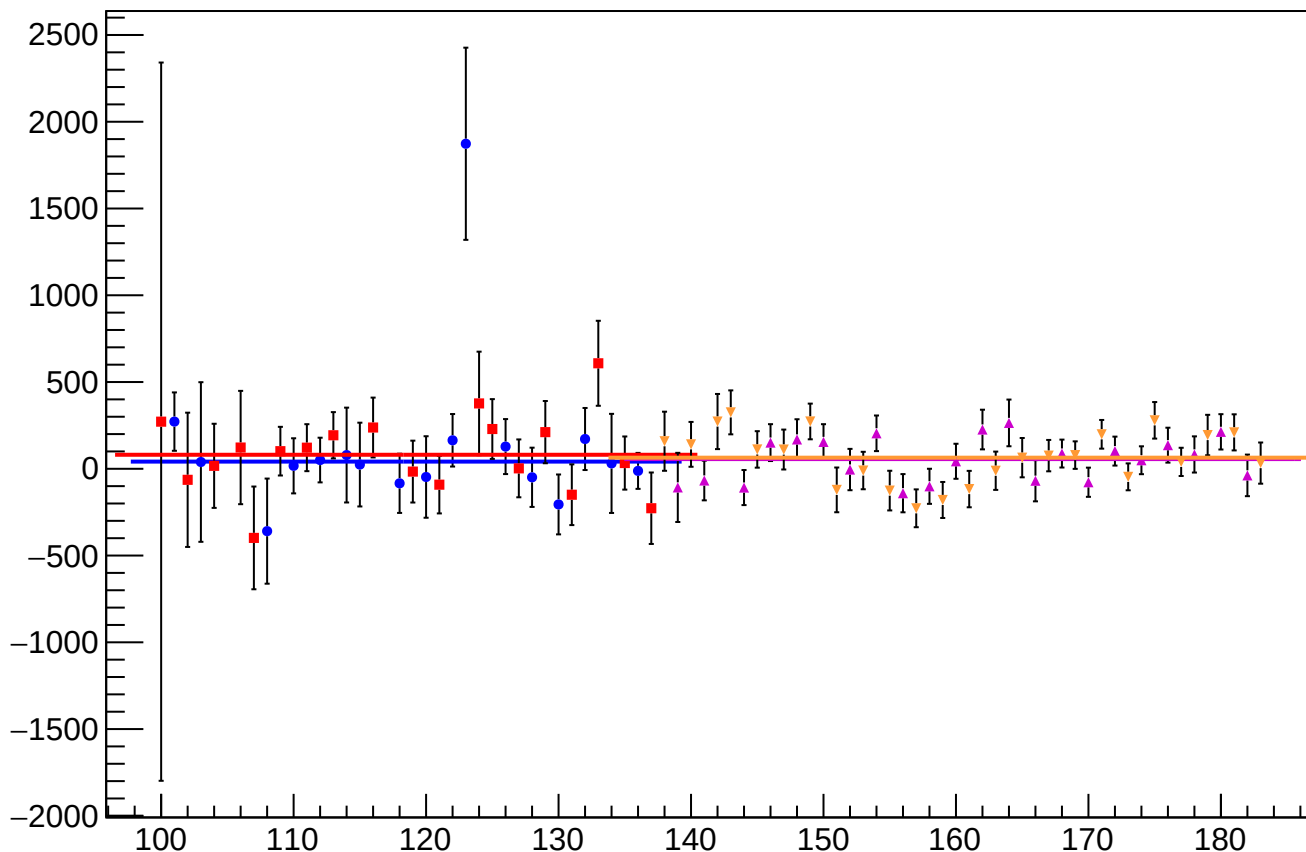
Right In: 4357.248 $\pm$ 6.820 χ^2/NDF : 17030.4/3

Left Out: 2002.100 $\pm$ 0.336 χ^2/NDF : 680195.4/23

Right Out: 4272.099 $\pm$ 7.291 χ^2/NDF : 6125.9/2

Left In: 2012.805 $\pm$ 0.347 χ^2/NDF : 549634.7/21

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 41.443 ± 43.633 χ^2/NDF : 19.4/16

Left Out: 63.979 ± 21.418 χ^2/NDF : 44.8/23

Right Out: 80.808 ± 43.212 χ^2/NDF : 17.1/18

Left In: 55.923 ± 22.055 χ^2/NDF : 27.5/21

Left: 60.069 ± 15.365 χ^2/NDF : 72.4/45

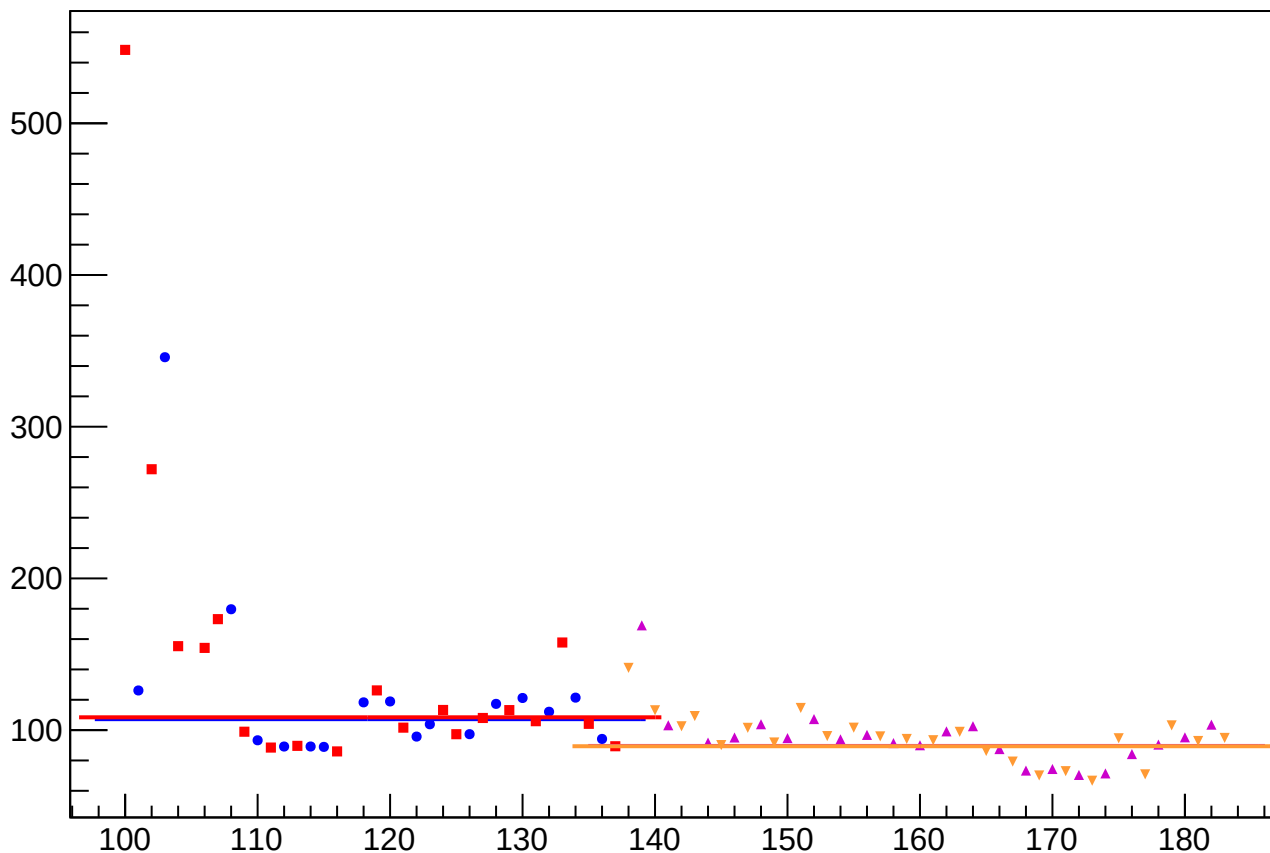
Right: 61.316 ± 30.703 χ^2/NDF : 36.9/35

In: 52.977 ± 19.683 χ^2/NDF : 47.0/38

Out: 67.298 ± 19.190 χ^2/NDF : 62.0/42

All: 60.319 ± 13.741 χ^2/NDF : 109.3/81

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.231 ± 0.031 $\chi^2/\text{NDF}: 843493.4/16$

Left Out: 89.378 ± 0.015 $\chi^2/\text{NDF}: 1012882.1/23$

Right Out: 108.446 ± 0.031 $\chi^2/\text{NDF}: 917457.6/18$

Left In: 89.564 ± 0.016 $\chi^2/\text{NDF}: 871987.2/21$

Left: 89.469 ± 0.011 $\chi^2/\text{NDF}: 1884942.3/45$

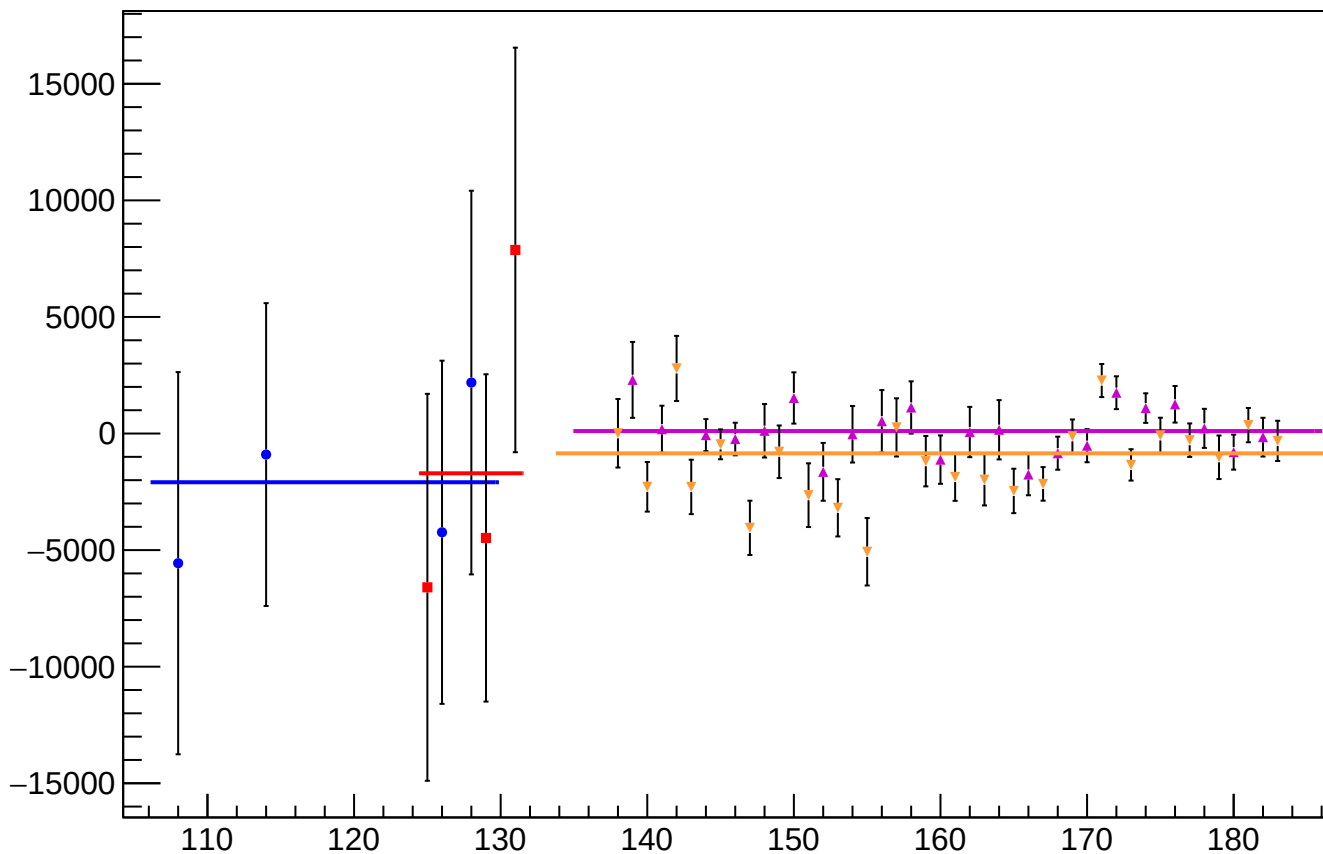
Right: 107.845 ± 0.022 $\chi^2/\text{NDF}: 1761734.0/35$

In: 93.159 ± 0.014 $\chi^2/\text{NDF}: 1976649.4/38$

Out: 93.139 ± 0.014 $\chi^2/\text{NDF}: 2242958.6/42$

All: 93.149 ± 0.010 $\chi^2/\text{NDF}: 4219609.1/81$

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -2089.367 $\pm$ 3731.168 χ^2 /NDF: 0.6/3

Left Out: -850.003 $\pm$ 186.725 χ^2 /NDF:67.1/23

Right Out: -1705.730 $\pm$ 4559.420 χ^2 /NDF: 1.7/2

Left In: 106.819 $\pm$ 188.203 χ^2 /NDF:26.7/21

Left: -375.364 $\pm$ 132.554 χ^2 /NDF: 106.7/45

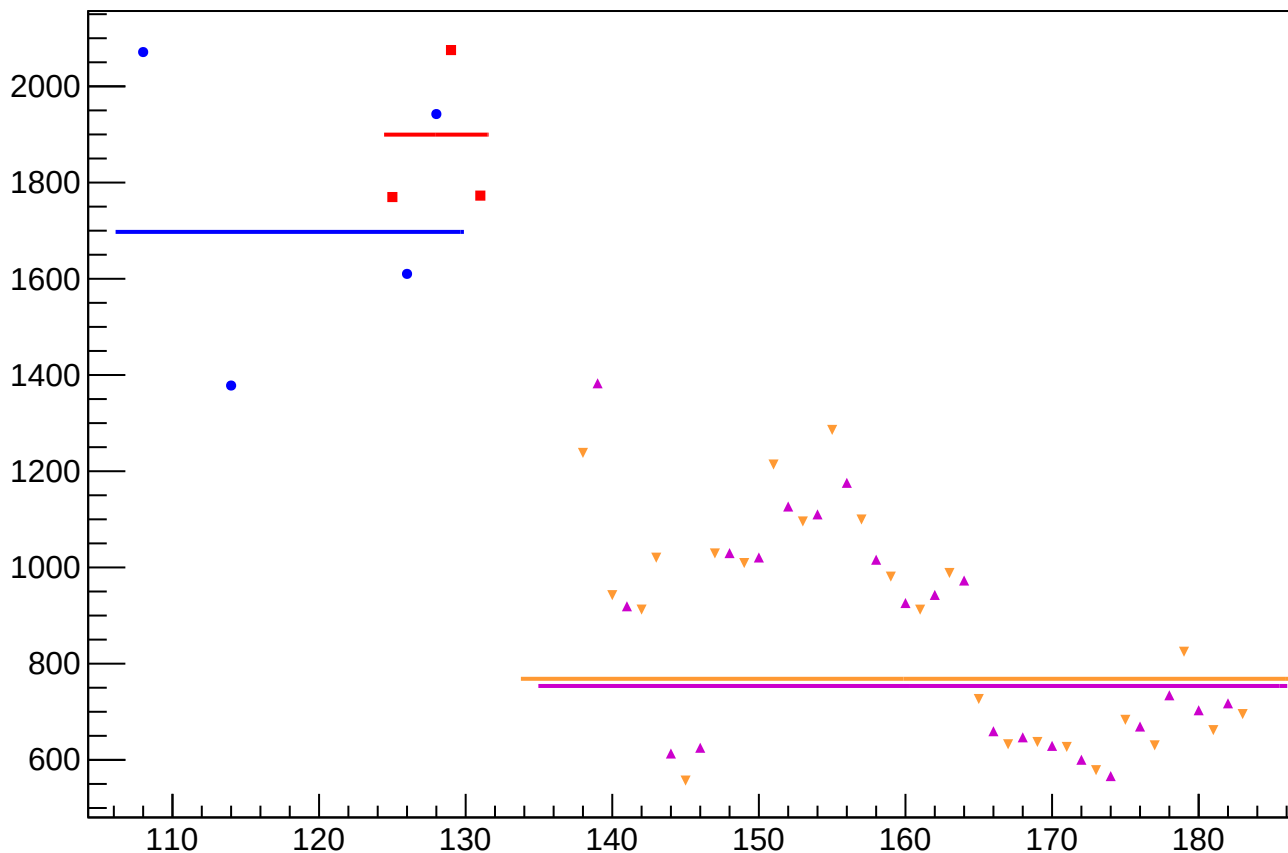
Right: -1935.496 $\pm$ 2887.537 χ^2 /NDF: 2.3/6

In: 101.245 $\pm$ 187.964 χ^2 /NDF:27.6/25

Out: -851.436 $\pm$ 186.569 χ^2 /NDF:68.8/26

All: -378.645 $\pm$ 132.415 χ^2 /NDF: 109.3/52

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 1697.477+/-2.638 χ^2/NDF : 11050.0/3

Left Out: 768.554+/-0.132 χ^2/NDF : 2272458.2/23

Right Out: 1899.639+/-3.224 χ^2/NDF : 2170.1/2

Left In: 753.638+/-0.133 χ^2/NDF : 2012866.2/21

Left: 761.154+/-0.094 χ^2/NDF : 4291655.3/45

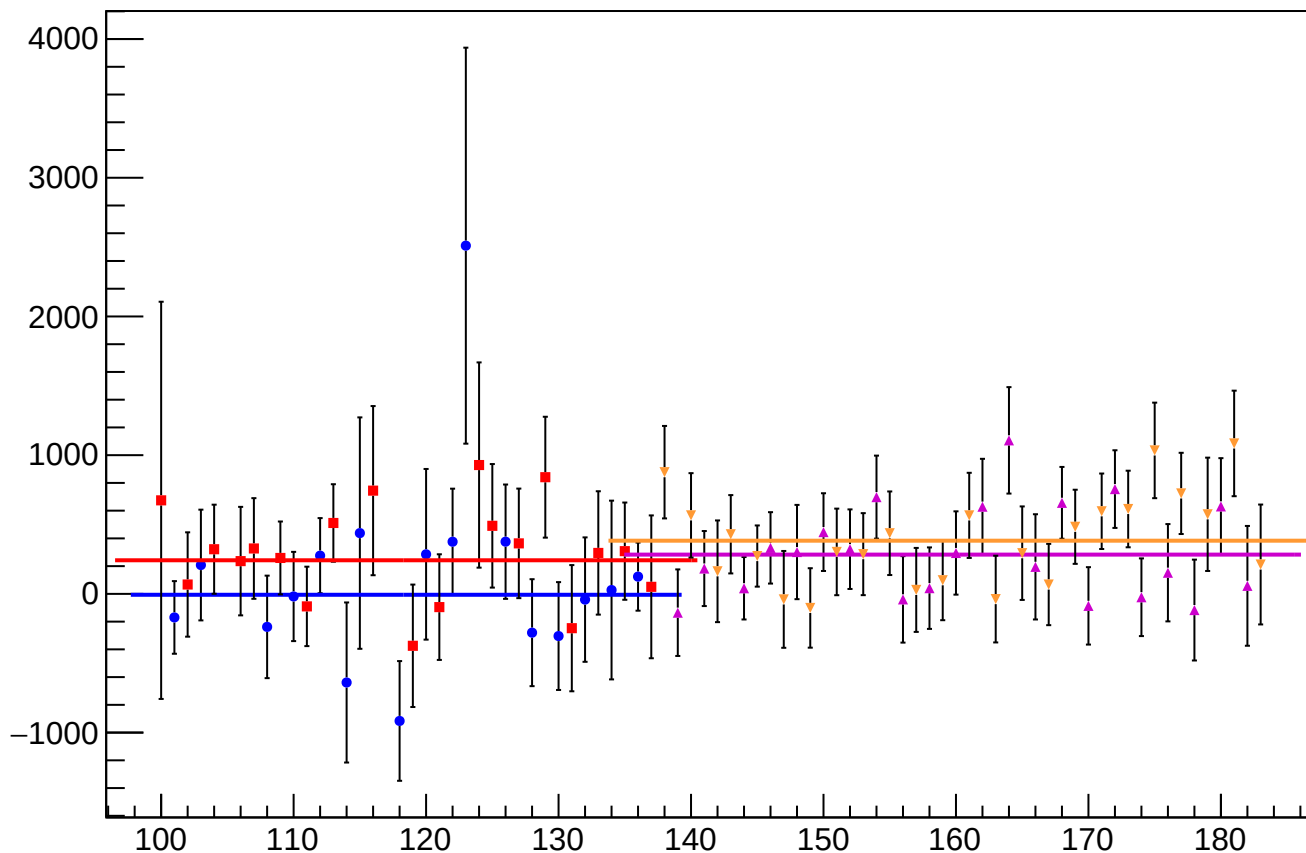
Right: 1778.561+/-2.042 χ^2/NDF : 15574.9/6

In: 756.033+/-0.133 χ^2/NDF : 2151569.8/25

Out: 770.447+/-0.132 χ^2/NDF : 2397506.2/26

All: 763.294+/-0.094 χ^2/NDF : 4555001.0/52

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -6.497 ± 93.462 χ^2/NDF : 14.7/16

Left Out: 383.451 ± 62.413 χ^2/NDF : 23.6/23

Right Out: 242.246 ± 89.108 χ^2/NDF : 10.6/18

Left In: 283.096 ± 64.385 χ^2/NDF : 23.3/21

Left: 334.833 ± 44.814 χ^2/NDF : 48.2/45

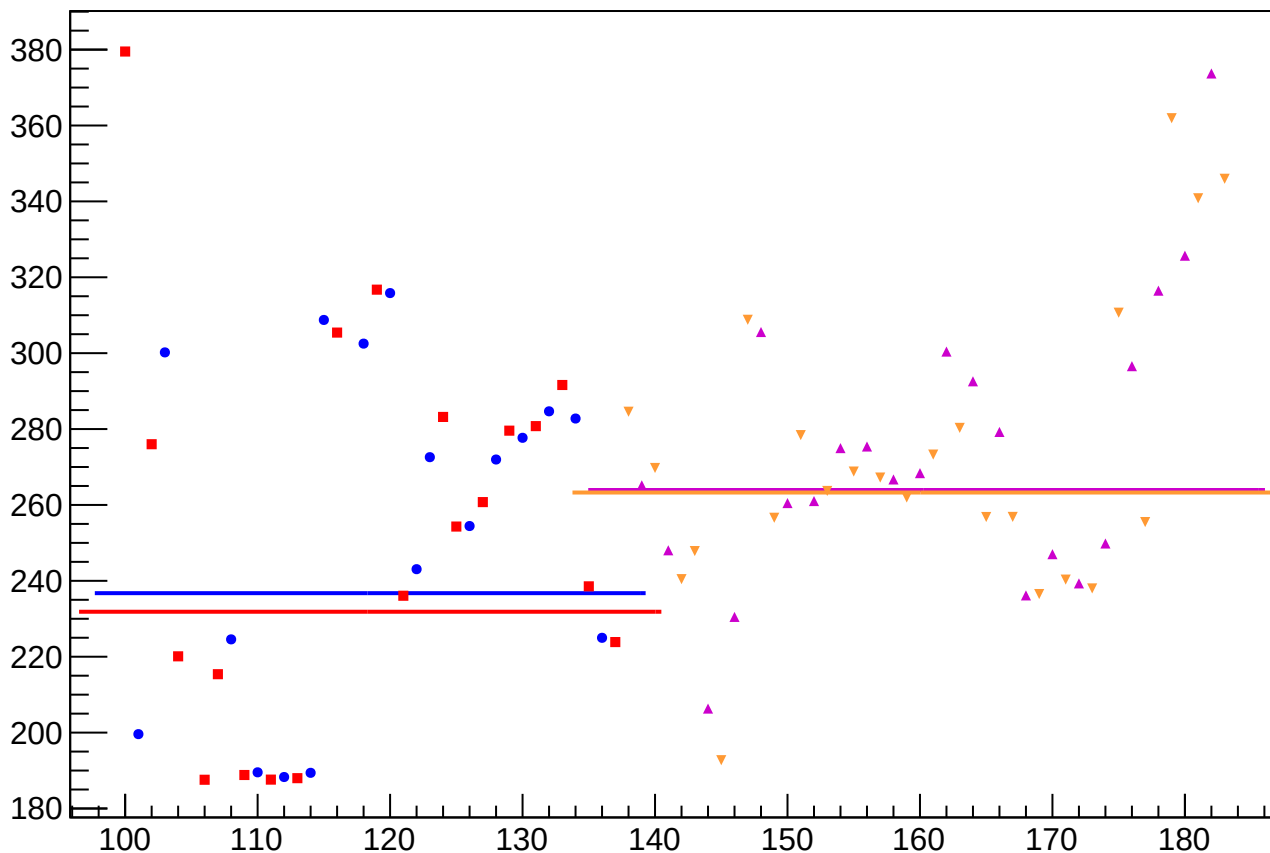
Right: 123.803 ± 64.493 χ^2/NDF : 29.0/35

In: 189.894 ± 53.021 χ^2/NDF : 44.5/38

Out: 336.976 ± 51.121 χ^2/NDF : 35.9/42

All: 266.119 ± 36.801 χ^2/NDF : 84.4/81

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.750 $\pm$ 0.066 χ^2 /NDF: 390018.3/16

Left Out: 263.275 $\pm$ 0.044 χ^2 /NDF: 641217.6/23

Right Out: 231.853 $\pm$ 0.063 χ^2 /NDF: 445120.6/18

Left In: 263.938 $\pm$ 0.046 χ^2 /NDF: 547302.9/21

Left: 263.596 $\pm$ 0.032 χ^2 /NDF: 1188630.1/45

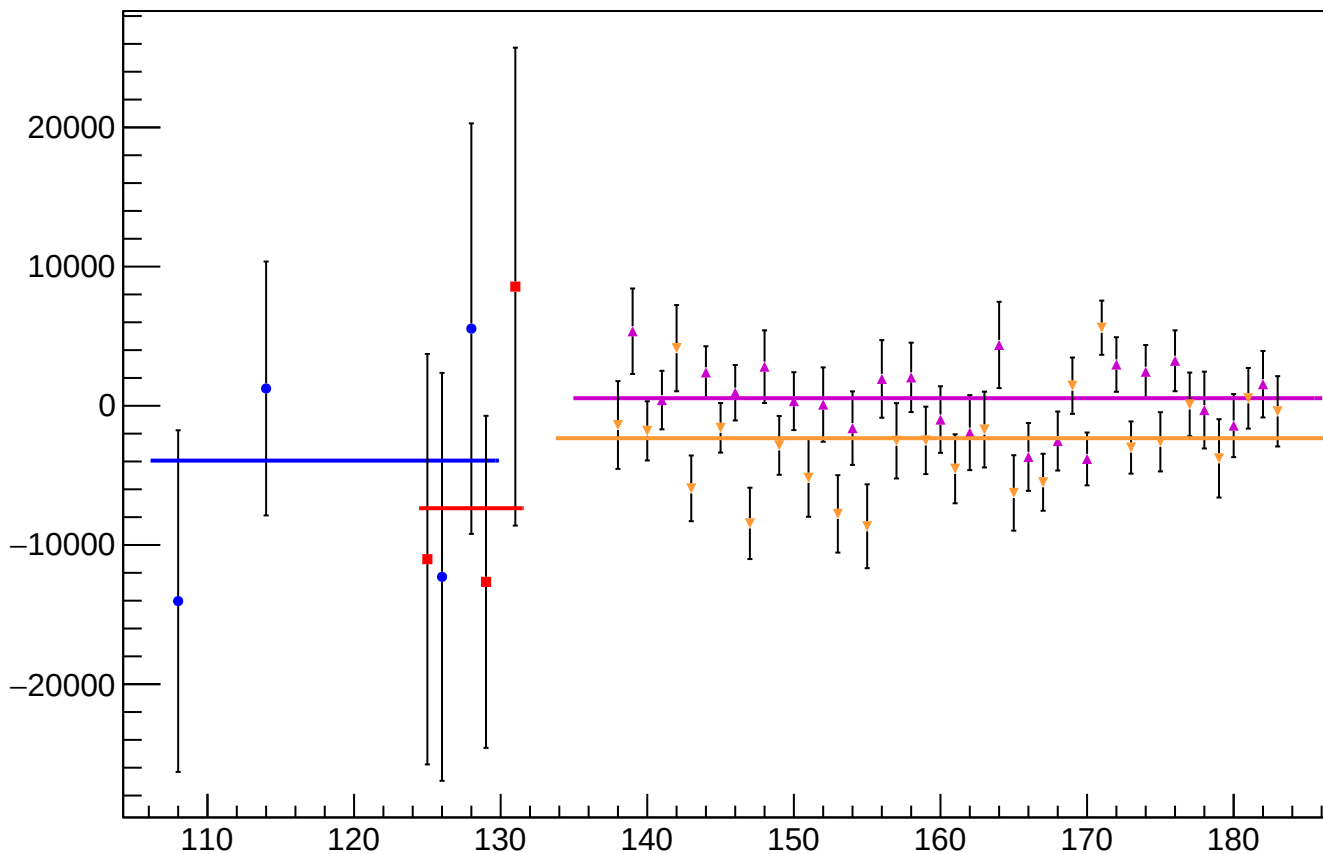
Right: 234.185 $\pm$ 0.046 χ^2 /NDF: 838014.1/35

In: 255.188 $\pm$ 0.037 χ^2 /NDF: 1052103.4/38

Out: 252.933 $\pm$ 0.036 χ^2 /NDF: 1253172.6/42

All: 254.019 $\pm$ 0.026 χ^2 /NDF: 2307150.7/81

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -3937.127 ± 5984.477 $\chi^2/\text{NDF}: 1.7/3$

Left Out: -2326.725 ± 479.938 $\chi^2/\text{NDF}: 51.3/23$

Right Out: -7358.957 ± 8158.706 $\chi^2/\text{NDF}: 1.1/2$

Left In: 546.451 ± 491.171 $\chi^2/\text{NDF}: 23.7/21$

Left: -923.366 ± 343.270 $\chi^2/\text{NDF}: 92.6/45$

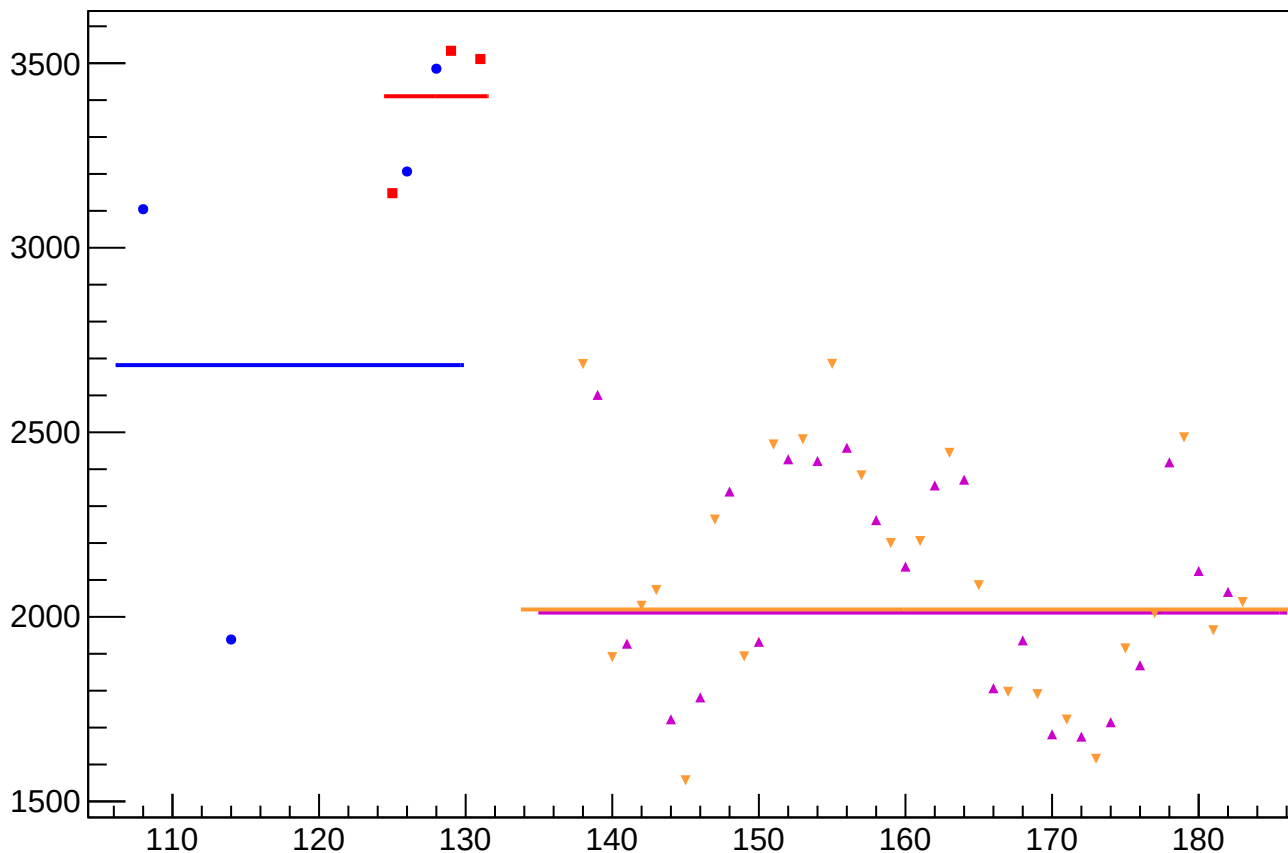
Right: -5134.149 ± 4825.510 $\chi^2/\text{NDF}: 3.0/6$

In: 516.451 ± 489.525 $\chi^2/\text{NDF}: 26.0/25$

Out: -2344.078 ± 479.110 $\chi^2/\text{NDF}: 52.8/26$

All: -944.567 ± 342.405 $\chi^2/\text{NDF}: 96.3/52$

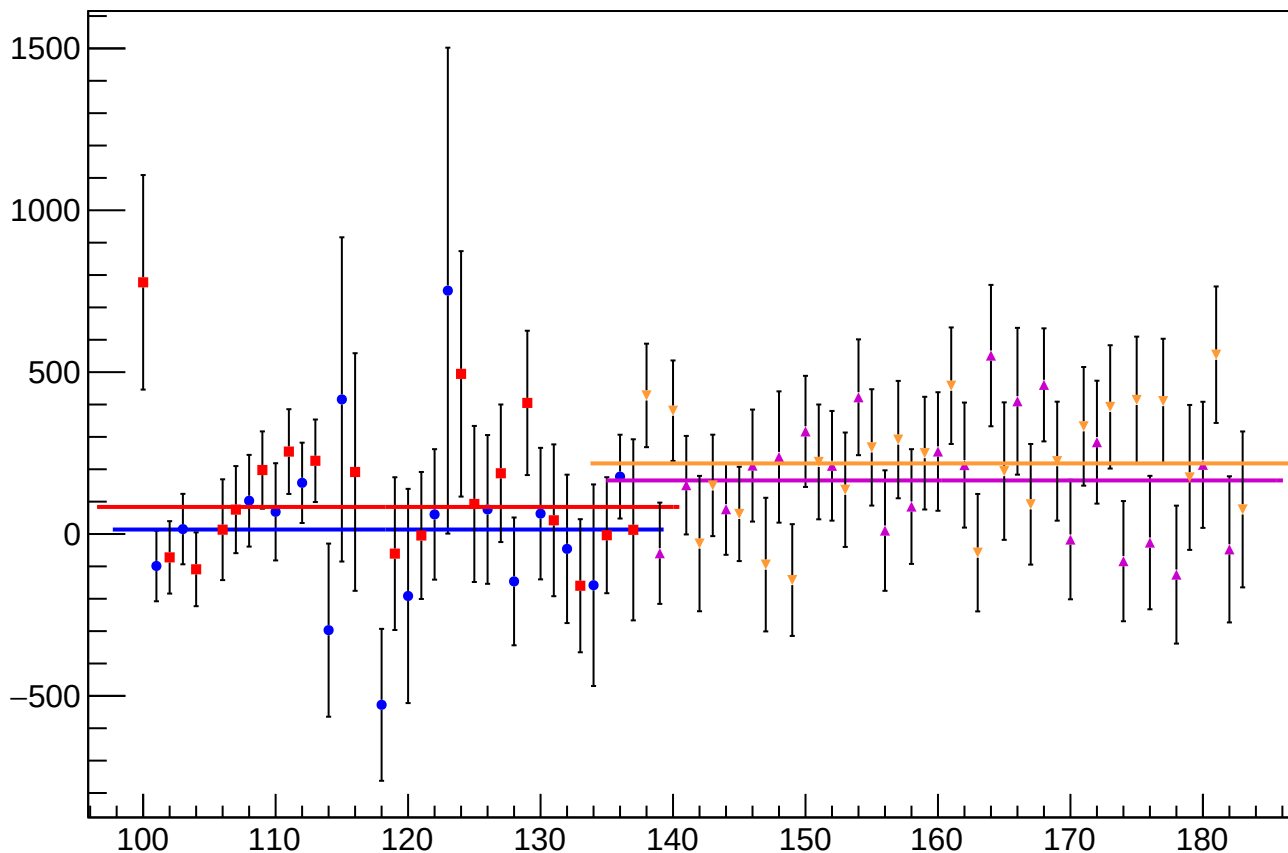
asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 2682.064 $\pm$ 4.232 χ^2 /NDF: 24157.5/3
 Left Out: 2019.972 $\pm$ 0.339 χ^2 /NDF:820005.4/23
 Right Out: 3410.484 $\pm$ 5.769 χ^2 /NDF: 916.8/2
 Left In: 2011.545 $\pm$ 0.347 χ^2 /NDF:660483.5/21

Left: 2015.856 $\pm$ 0.243 χ^2 /NDF: 1480790.0/45
 Right: 2936.880 $\pm$ 3.412 χ^2 /NDF: 35439.7/6
 In: 2016.032 $\pm$ 0.346 χ^2 /NDF:709580.3/25
 Out: 2024.767 $\pm$ 0.339 χ^2 /NDF:878816.7/26
 All: 2020.493 $\pm$ 0.242 χ^2 /NDF: 1588722.3/52

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 13.853+/-42.364 χ^2/NDF : 14.4/16

Left Out: 218.090+/-37.303 χ^2/NDF :23.4/23

Right Out: 83.643+/-39.037 χ^2/NDF : 19.2/18

Left In: 165.527+/-38.911 χ^2/NDF :20.8/21

Left: 192.917+/-26.928 χ^2/NDF : 45.2/45

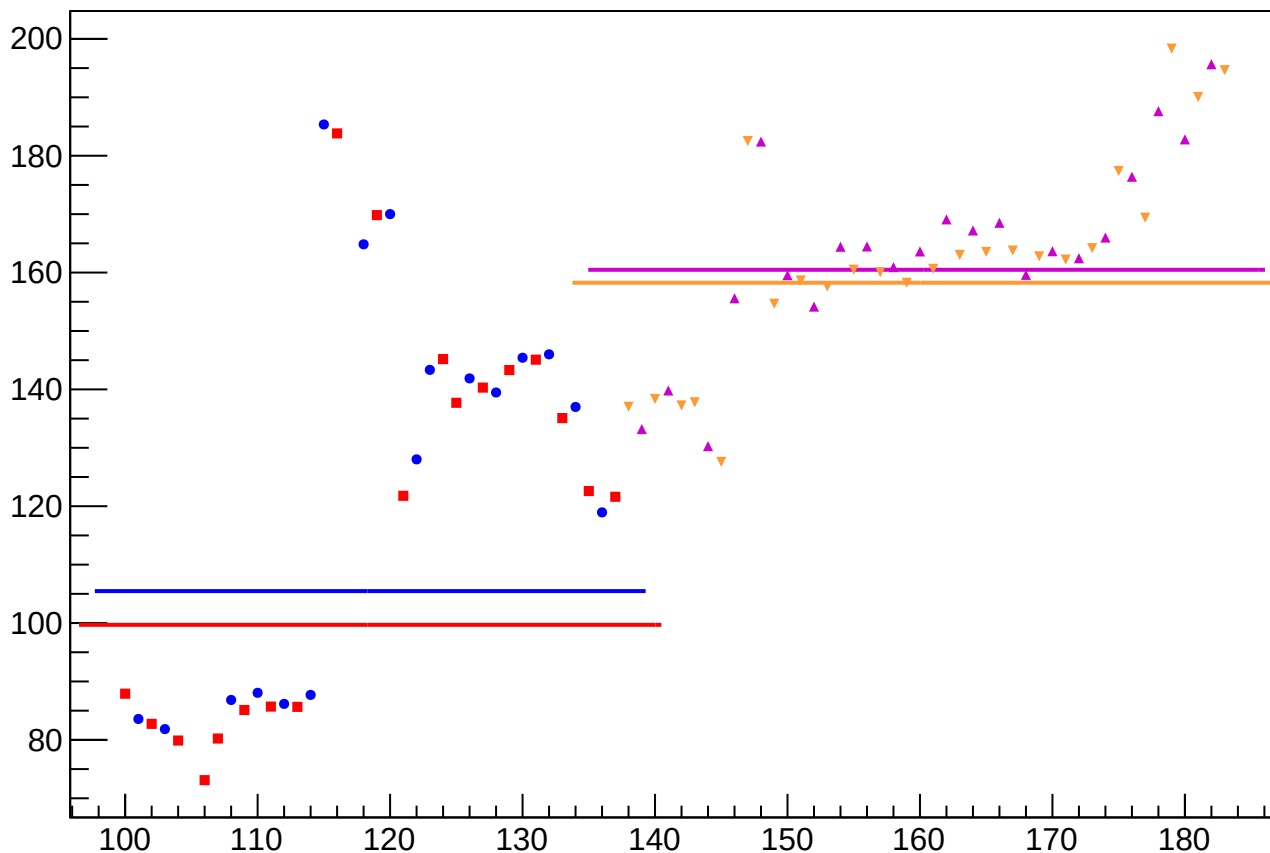
Right: 51.596+/-28.707 χ^2/NDF : 35.0/35

In: 96.122+/-28.657 χ^2/NDF :42.2/38

Out: 153.919+/-26.969 χ^2/NDF :48.8/42

All: 126.772+/-19.640 χ^2/NDF : 93.1/81

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.470 $\pm$ 0.030 χ^2 /NDF: 870293.2/16

Left Out: 158.258 $\pm$ 0.026 χ^2 /NDF: 430054.8/23

Right Out: 99.695 $\pm$ 0.028 χ^2 /NDF: 1000657.3/18

Left In: 160.477 $\pm$ 0.028 χ^2 /NDF: 350236.0/21

Left: 159.321 $\pm$ 0.019 χ^2 /NDF: 783678.3/45

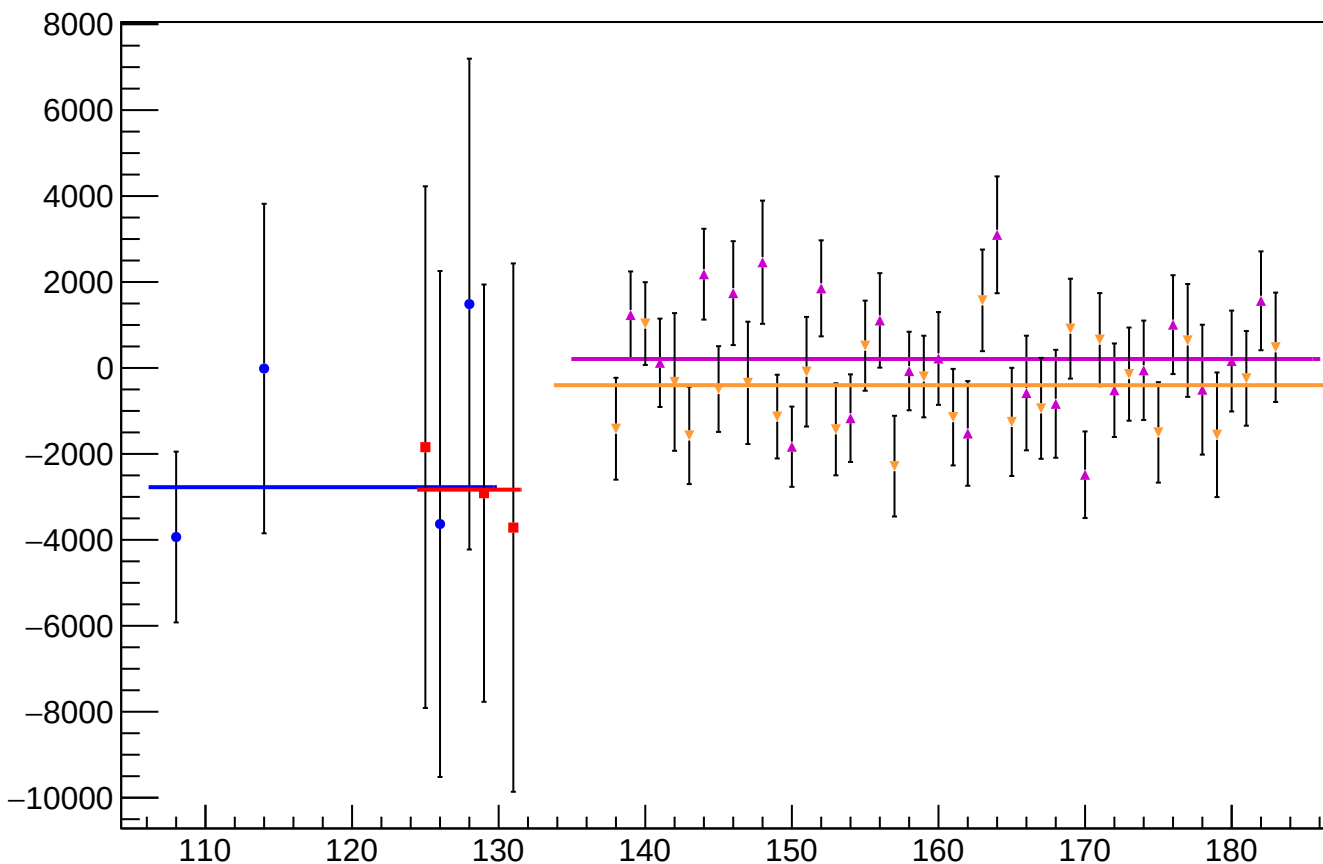
Right: 102.347 $\pm$ 0.020 χ^2 /NDF: 1891054.8/35

In: 135.306 $\pm$ 0.020 χ^2 /NDF: 3049435.8/38

Out: 130.306 $\pm$ 0.019 χ^2 /NDF: 3783543.0/42

All: 132.654 $\pm$ 0.014 χ^2 /NDF: 6865270.0/81

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: -2774.520+/-1620.377 χ^2/NDF : 1.4/3

Left Out: -400.578+/-233.858 χ^2/NDF : 17.8/23

Right Out: -2831.759+/-3227.072 χ^2/NDF : 0.0/2

Left In: 208.730+/-239.444 χ^2/NDF : 35.4/21

Left: -103.114+/-167.302 χ^2/NDF : 56.6/45

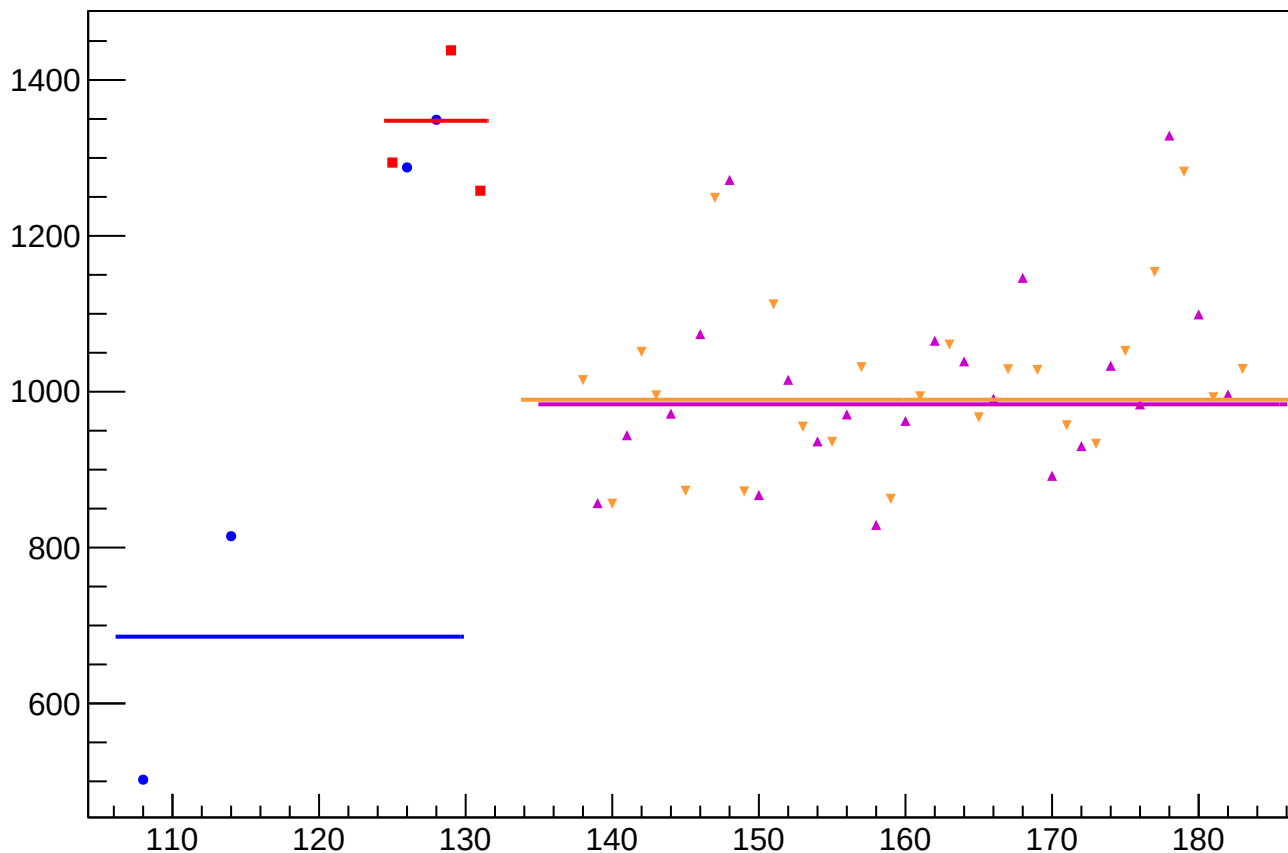
Right: -2786.046+/-1448.080 χ^2/NDF : 1.5/6

In: 144.980+/-236.872 χ^2/NDF : 40.2/25

Out: -413.279+/-233.246 χ^2/NDF : 18.4/26

All: -138.455+/-166.197 χ^2/NDF : 61.4/52

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 685.658+/-1.146 χ^2/NDF : 67240.3/3

Left Out: 989.784+/-0.165 χ^2/NDF : 369176.7/23

Right Out: 1347.722+/-2.282 χ^2/NDF : 1275.5/2

Left In: 983.832+/-0.169 χ^2/NDF : 416257.7/21

Left: 986.878+/-0.118 χ^2/NDF : 786067.1/45

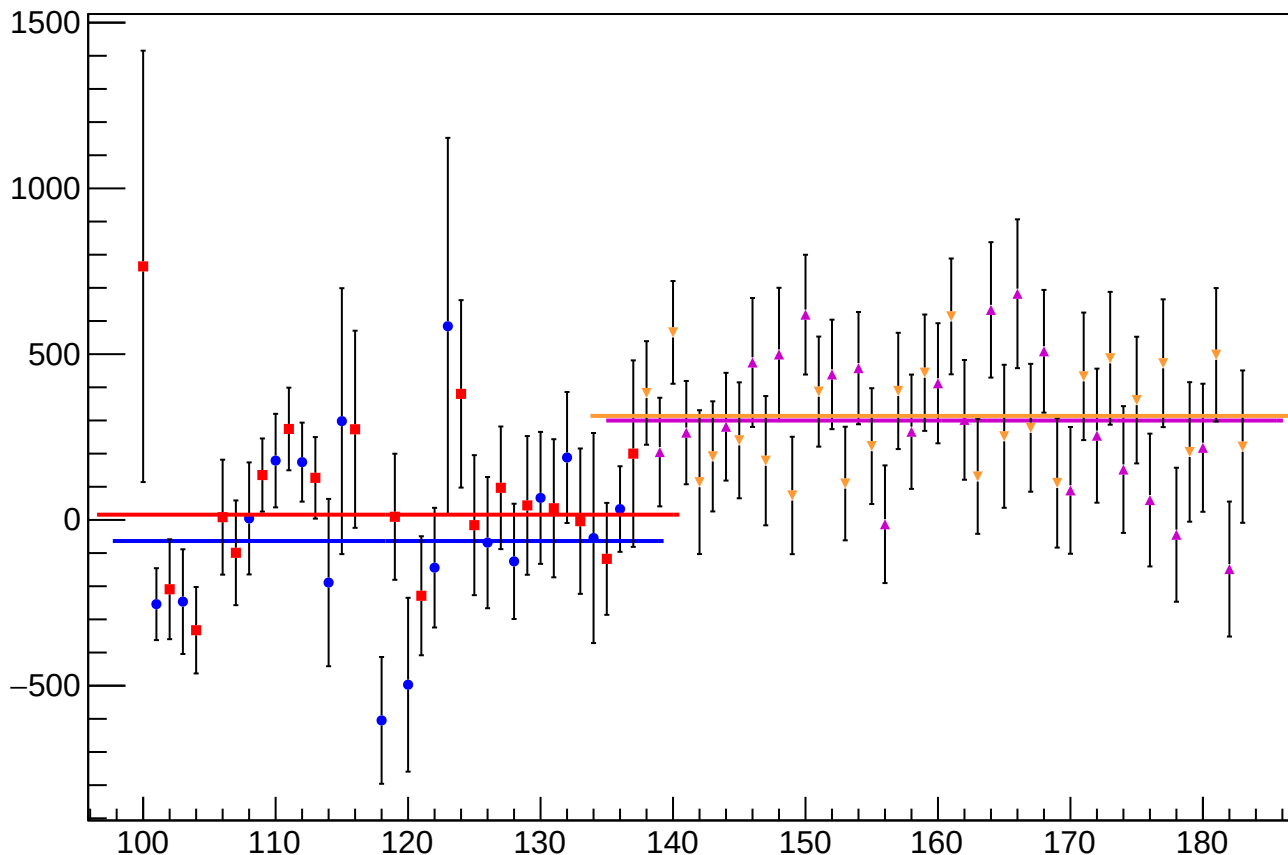
Right: 818.969+/-1.024 χ^2/NDF : 135746.2/6

In: 977.460+/-0.167 χ^2/NDF : 549774.0/25

Out: 991.654+/-0.165 χ^2/NDF : 394928.9/26

All: 984.666+/-0.118 χ^2/NDF : 948349.2/52

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -63.627 ± 42.336 $\chi^2/\text{NDF}: 27.6/16$

Left Out: 313.850 ± 37.462 $\chi^2/\text{NDF}: 17.8/23$

Right Out: 15.859 ± 39.532 $\chi^2/\text{NDF}: 23.1/18$

Left In: 299.802 ± 39.256 $\chi^2/\text{NDF}: 28.5/21$

Left: 307.154 ± 27.102 $\chi^2/\text{NDF}: 46.3/45$

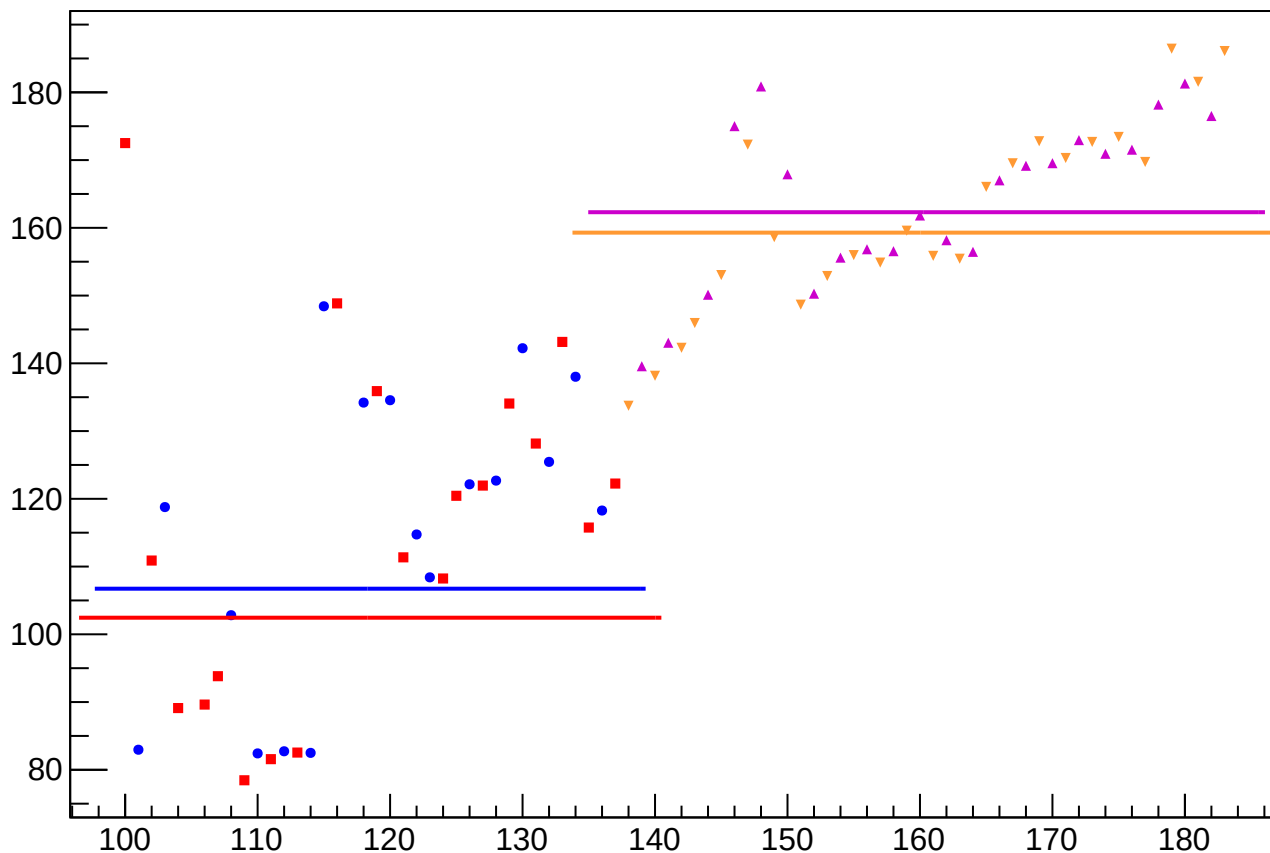
Right: -21.165 ± 28.894 $\chi^2/\text{NDF}: 52.5/35$

In: 131.787 ± 28.786 $\chi^2/\text{NDF}: 95.7/38$

Out: 172.861 ± 27.192 $\chi^2/\text{NDF}: 70.8/42$

All: 153.493 ± 19.767 $\chi^2/\text{NDF}: 167.6/81$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.733 $\pm$ 0.030 χ^2 /NDF: 503149.3/16

Left Out: 159.292 $\pm$ 0.026 χ^2 /NDF: 276617.4/23

Right Out: 102.452 $\pm$ 0.028 χ^2 /NDF: 591027.5/18

Left In: 162.307 $\pm$ 0.028 χ^2 /NDF: 190236.6/21

Left: 160.729 $\pm$ 0.019 χ^2 /NDF: 473027.2/45

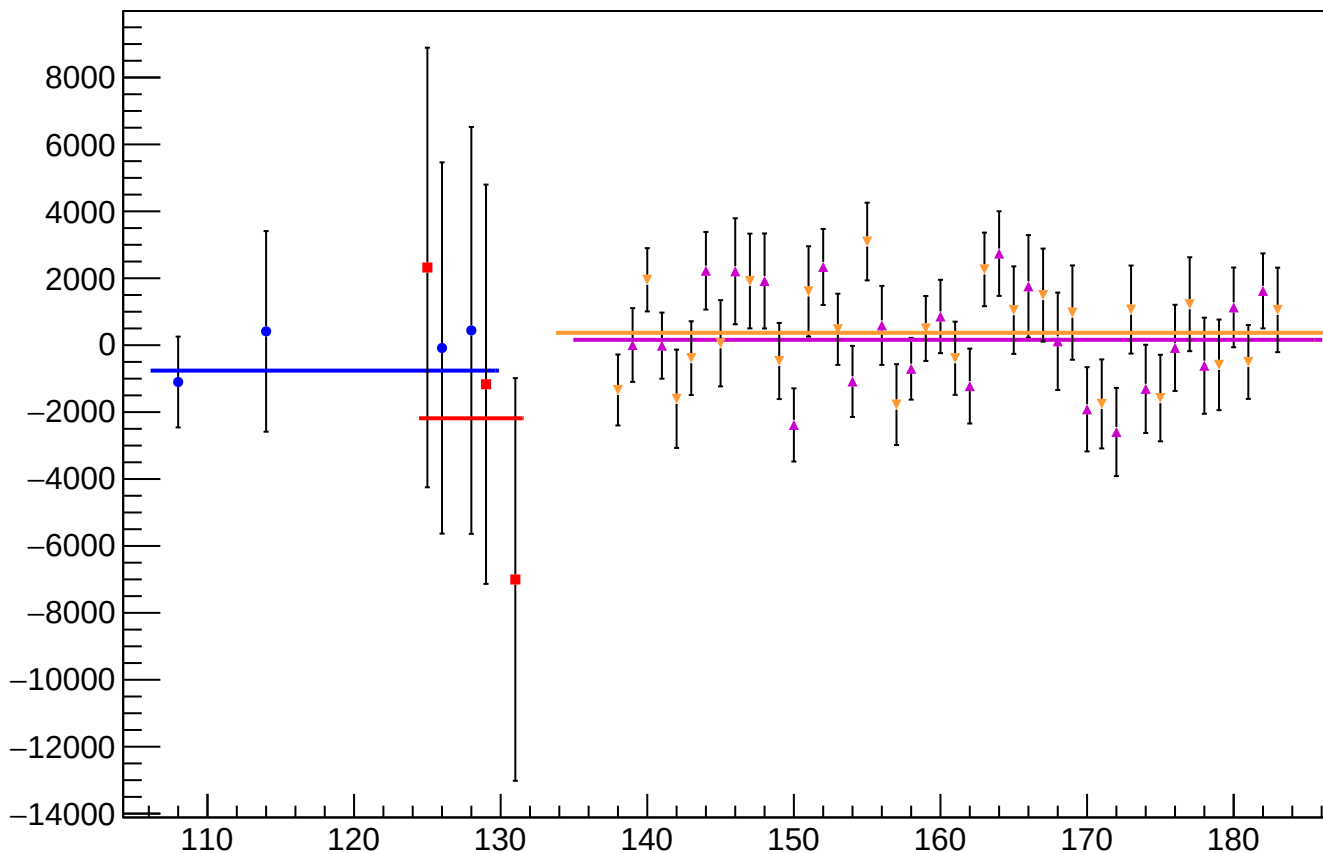
Right: 104.446 $\pm$ 0.020 χ^2 /NDF: 1105106.2/35

In: 136.615 $\pm$ 0.020 χ^2 /NDF: 2546376.5/38

Out: 132.399 $\pm$ 0.019 χ^2 /NDF: 3046108.4/42

All: 134.387 $\pm$ 0.014 χ^2 /NDF: 5615155.1/81

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: -760.095 ± 1183.340 $\chi^2/\text{NDF}: 0.3/3$

Left Out: 369.319 ± 245.435 $\chi^2/\text{NDF}: 30.5/23$

Right Out: -2184.893 ± 3560.609 $\chi^2/\text{NDF}: 1.1/2$

Left In: 160.461 ± 254.834 $\chi^2/\text{NDF}: 36.1/21$

Left: 268.812 ± 176.778 $\chi^2/\text{NDF}: 66.9/45$

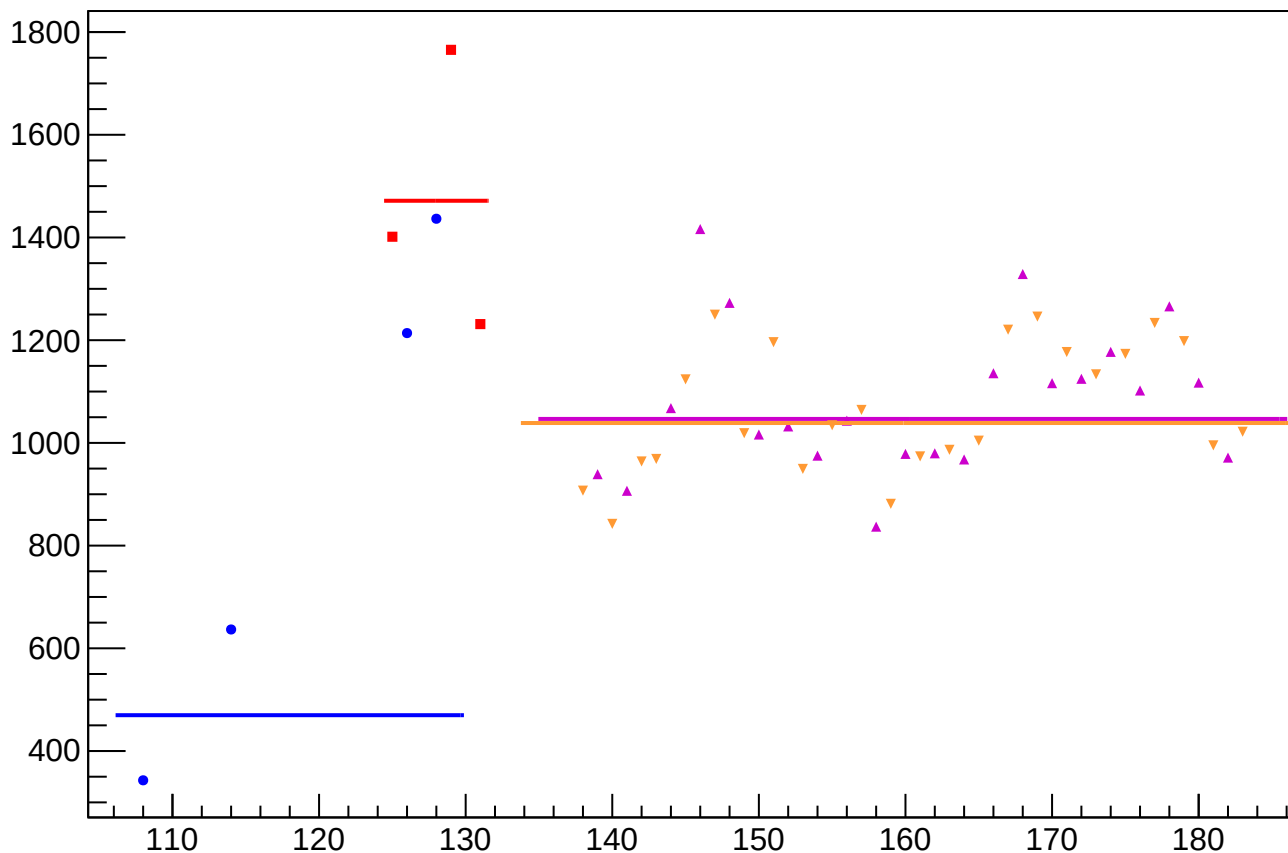
Right: -901.813 ± 1122.948 $\chi^2/\text{NDF}: 1.6/6$

In: 119.661 ± 249.123 $\chi^2/\text{NDF}: 36.9/25$

Out: 357.240 ± 244.854 $\chi^2/\text{NDF}: 32.1/26$

All: 240.503 ± 174.627 $\chi^2/\text{NDF}: 69.5/52$

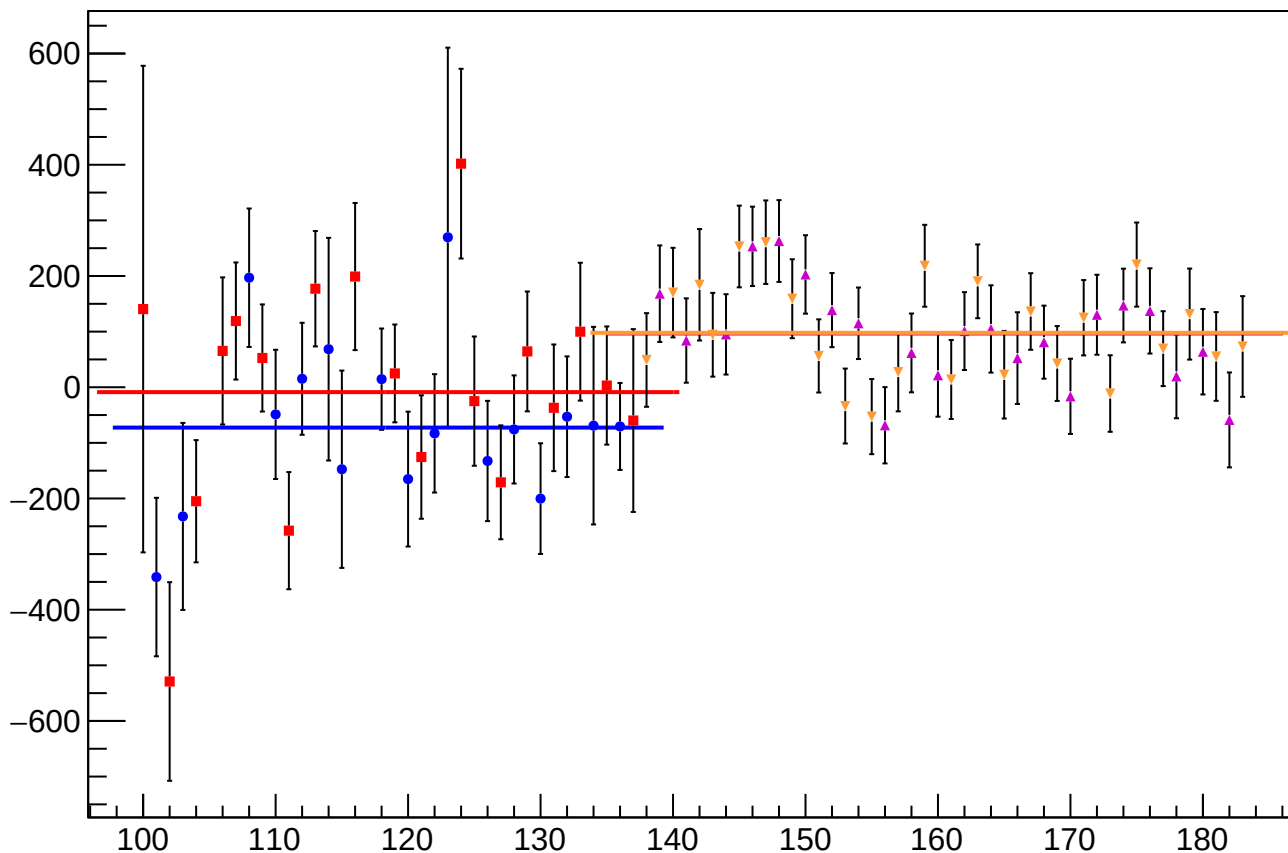
asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 469.775 $\pm$ 0.837 χ^2 /NDF: 110192.0/3
 Left Out: 1038.718 $\pm$ 0.174 χ^2 /NDF: 492721.9/23
 Right Out: 1471.512 $\pm$ 2.518 χ^2 /NDF: 8264.7/2
 Left In: 1046.674 $\pm$ 0.180 χ^2 /NDF: 537620.4/21

Left: 1042.546 $\pm$ 0.125 χ^2 /NDF: 1031353.8/45
 Right: 569.413 $\pm$ 0.794 χ^2 /NDF: 261013.9/6
 In: 1021.106 $\pm$ 0.176 χ^2 /NDF: 1102091.6/25
 Out: 1040.764 $\pm$ 0.173 χ^2 /NDF: 530396.0/26
 All: 1031.105 $\pm$ 0.123 χ^2 /NDF: 1638822.3/52

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -72.547 ± 28.434 $\chi^2/\text{NDF}: 15.1/16$

Left Out: 97.872 ± 14.973 $\chi^2/\text{NDF}: 35.9/23$

Right Out: -8.790 ± 26.889 $\chi^2/\text{NDF}: 36.2/18$

Left In: 96.598 ± 15.468 $\chi^2/\text{NDF}: 29.2/21$

Left: 97.256 ± 10.758 $\chi^2/\text{NDF}: 65.2/45$

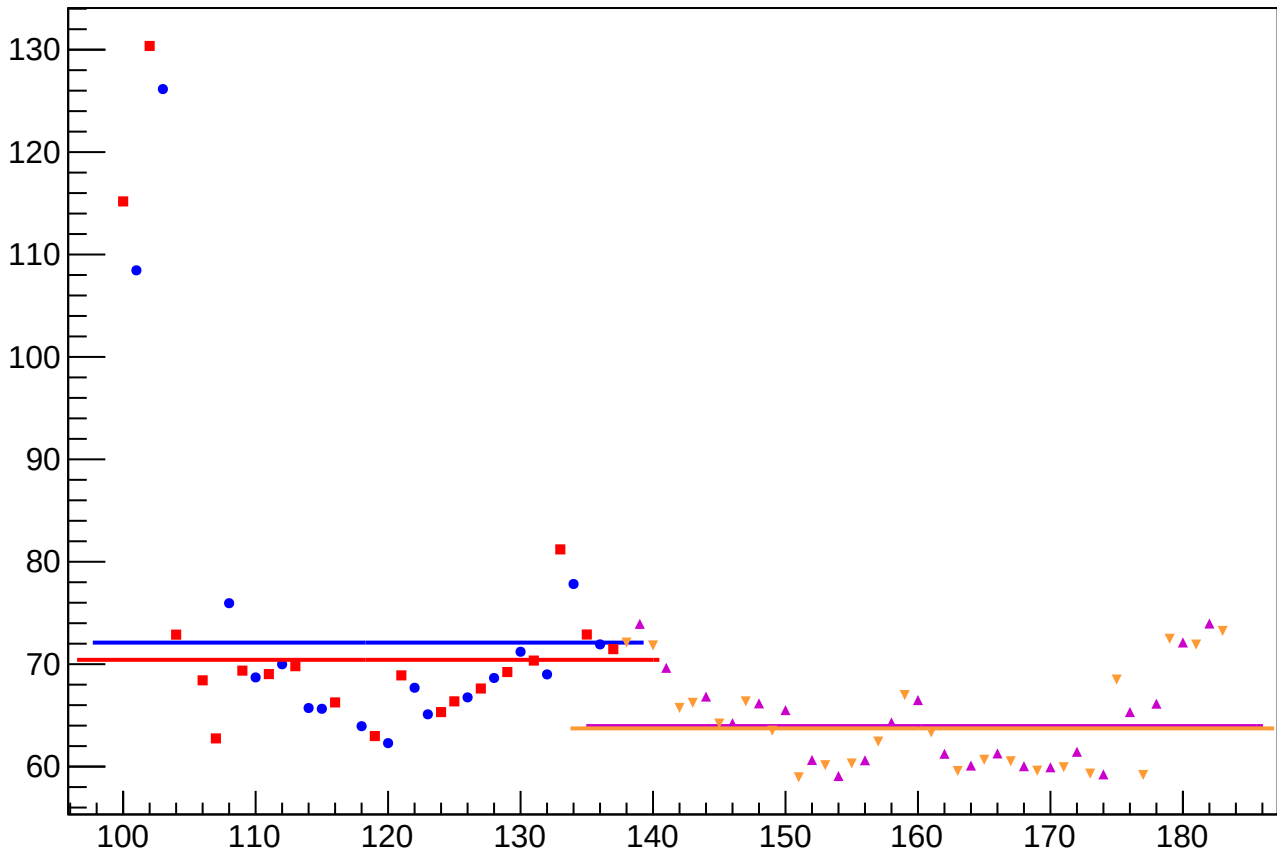
Right: -38.889 ± 19.537 $\chi^2/\text{NDF}: 54.0/35$

In: 57.973 ± 13.588 $\chi^2/\text{NDF}: 71.6/38$

Out: 72.626 ± 13.082 $\chi^2/\text{NDF}: 84.2/42$

All: 65.577 ± 9.424 $\chi^2/\text{NDF}: 156.4/81$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.106 $\pm$ 0.020 χ^2 /NDF: 390789.8/16

Left Out: 63.728 $\pm$ 0.011 χ^2 /NDF: 192024.3/23

Right Out: 70.425 $\pm$ 0.019 χ^2 /NDF: 298038.7/18

Left In: 63.956 $\pm$ 0.011 χ^2 /NDF: 156400.0/21

Left: 63.839 $\pm$ 0.008 χ^2 /NDF: 348649.1/45

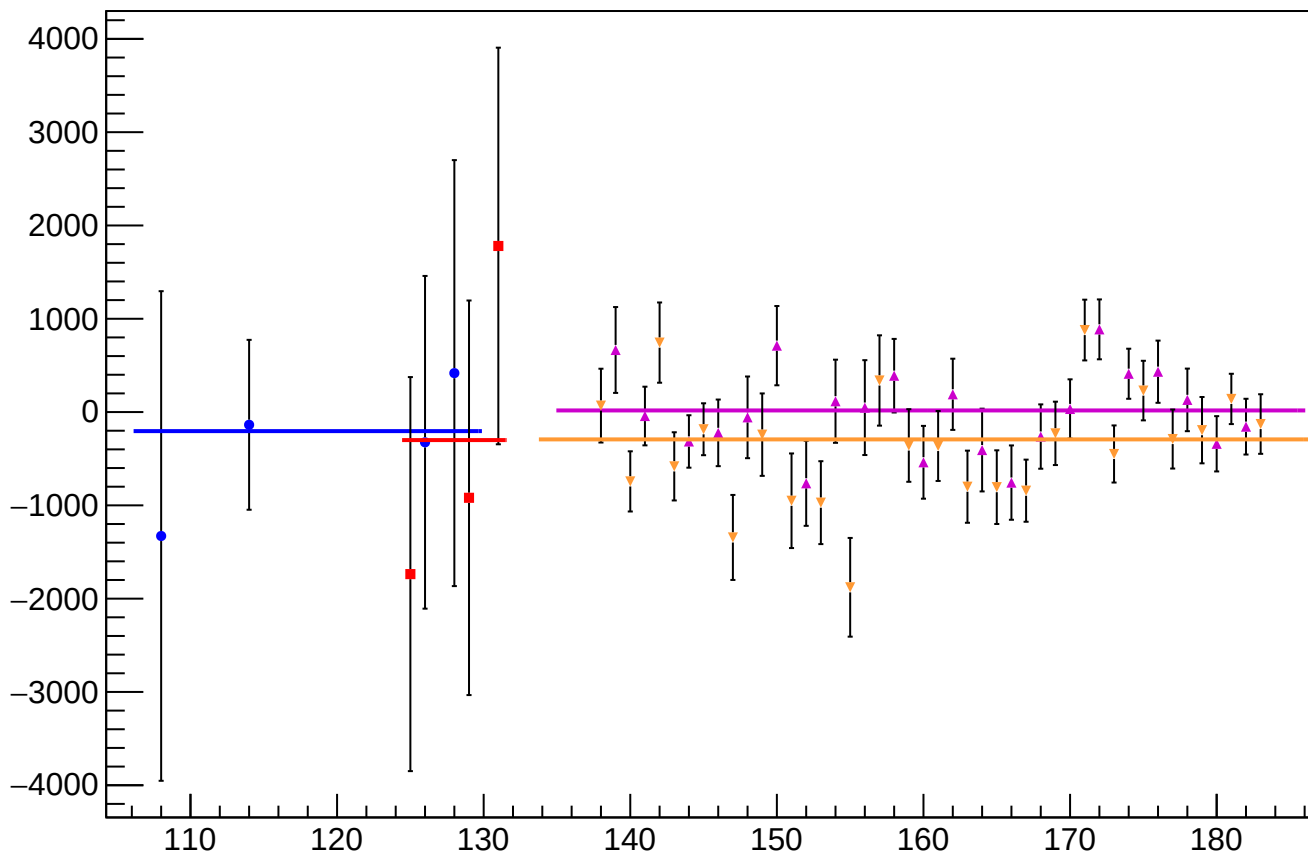
Right: 71.218 $\pm$ 0.014 χ^2 /NDF: 692521.7/35

In: 65.817 $\pm$ 0.010 χ^2 /NDF: 673974.3/38

Out: 65.313 $\pm$ 0.009 χ^2 /NDF: 584742.8/42

All: 65.556 $\pm$ 0.007 χ^2 /NDF: 1260146.9/81

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: -204.257 ± 733.668 $\chi^2/\text{NDF}: 0.3/3$

Left Out: -293.031 ± 73.629 $\chi^2/\text{NDF}: 54.5/23$

Right Out: -300.330 ± 1222.458 $\chi^2/\text{NDF}: 1.5/2$

Left In: 17.389 ± 75.929 $\chi^2/\text{NDF}: 31.0/21$

Left: -142.594 ± 52.858 $\chi^2/\text{NDF}: 94.1/45$

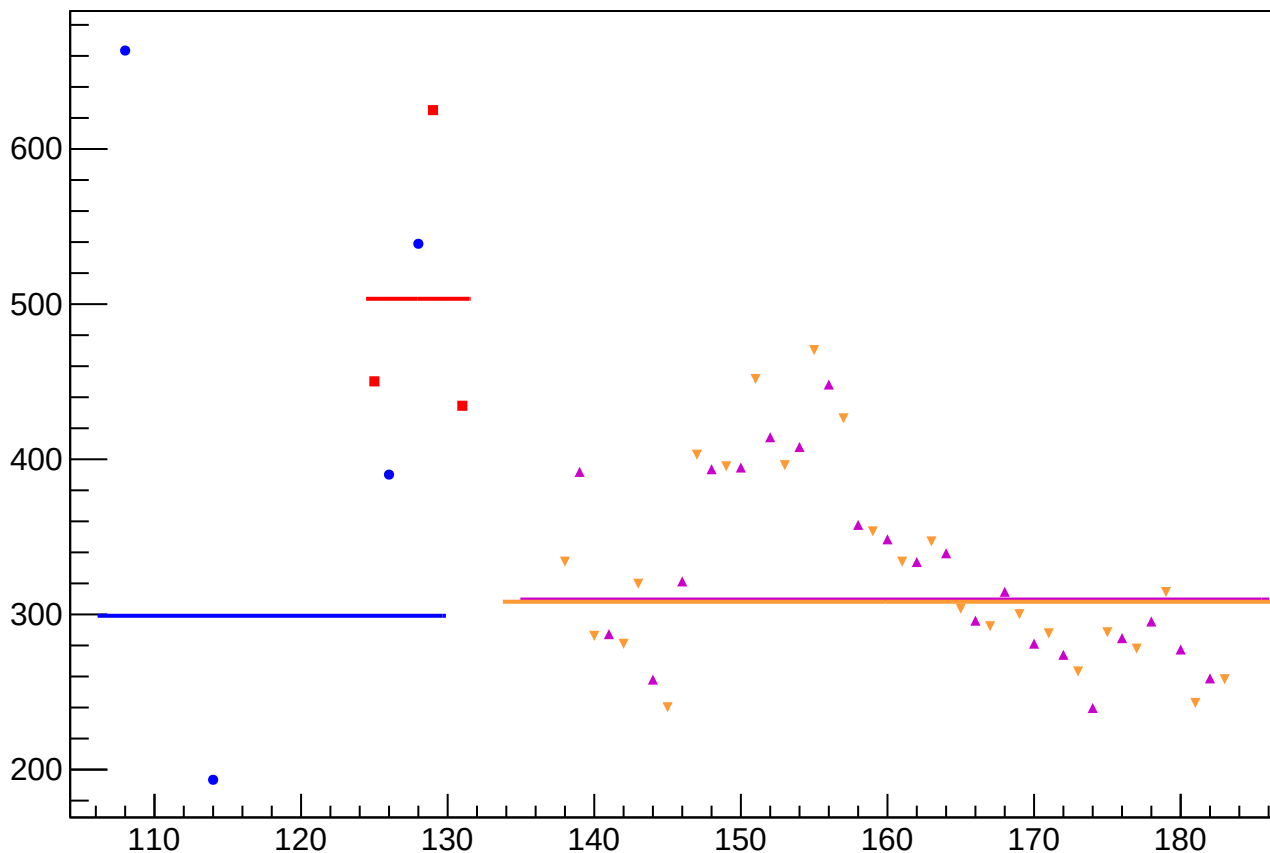
Right: -229.698 ± 629.071 $\chi^2/\text{NDF}: 1.8/6$

In: 15.040 ± 75.526 $\chi^2/\text{NDF}: 31.3/25$

Out: -293.058 ± 73.496 $\chi^2/\text{NDF}: 56.0/26$

All: -143.204 ± 52.673 $\chi^2/\text{NDF}: 95.8/52$

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 299.143 $\pm$ 0.519 χ^2 /NDF: 92782.9/3

Left Out: 308.200 $\pm$ 0.052 χ^2 /NDF: 1164228.5/23

Right Out: 503.459 $\pm$ 0.864 χ^2 /NDF: 9987.6/2

Left In: 309.614 $\pm$ 0.054 χ^2 /NDF: 990591.7/21

Left: 308.886 $\pm$ 0.037 χ^2 /NDF: 2155177.7/45

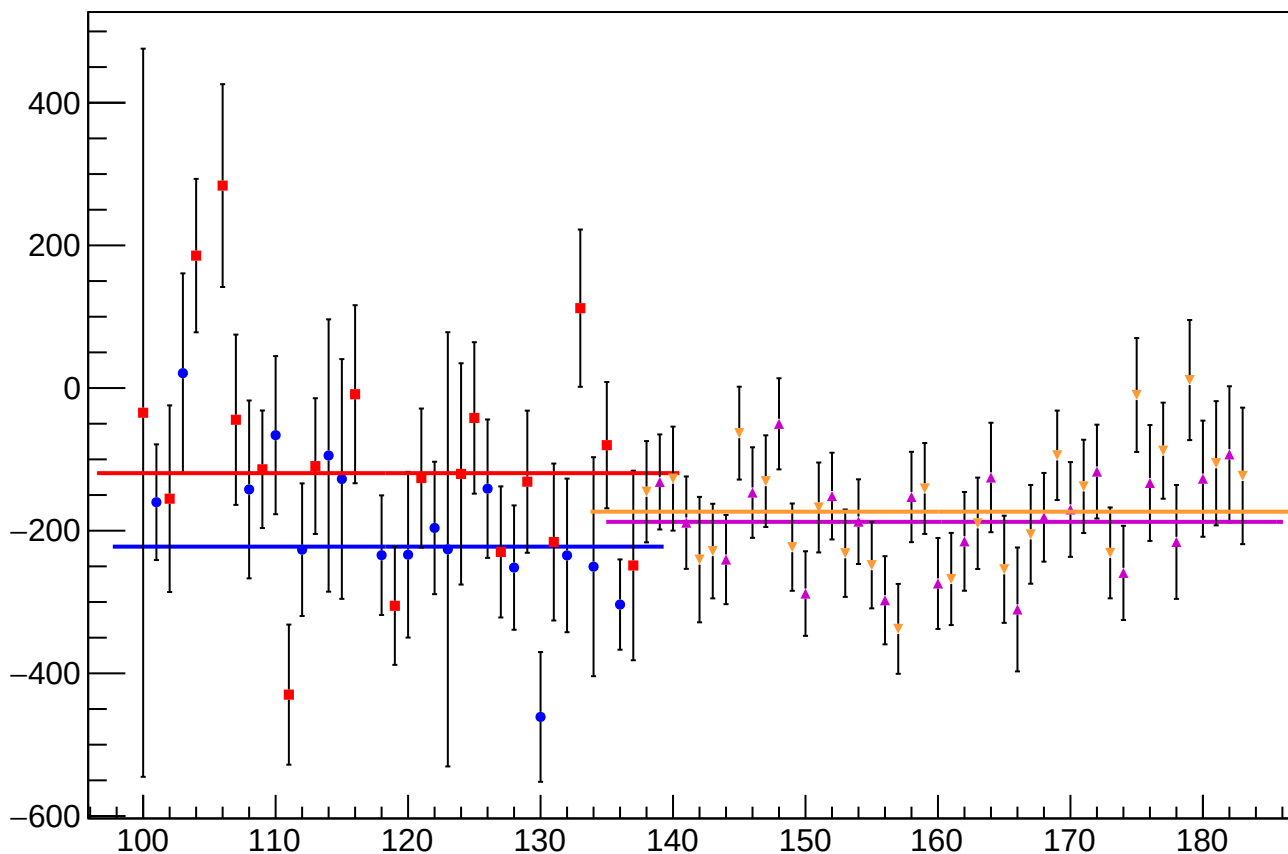
Right: 353.248 $\pm$ 0.445 χ^2 /NDF: 143844.4/6

In: 309.503 $\pm$ 0.053 χ^2 /NDF: 1083777.8/25

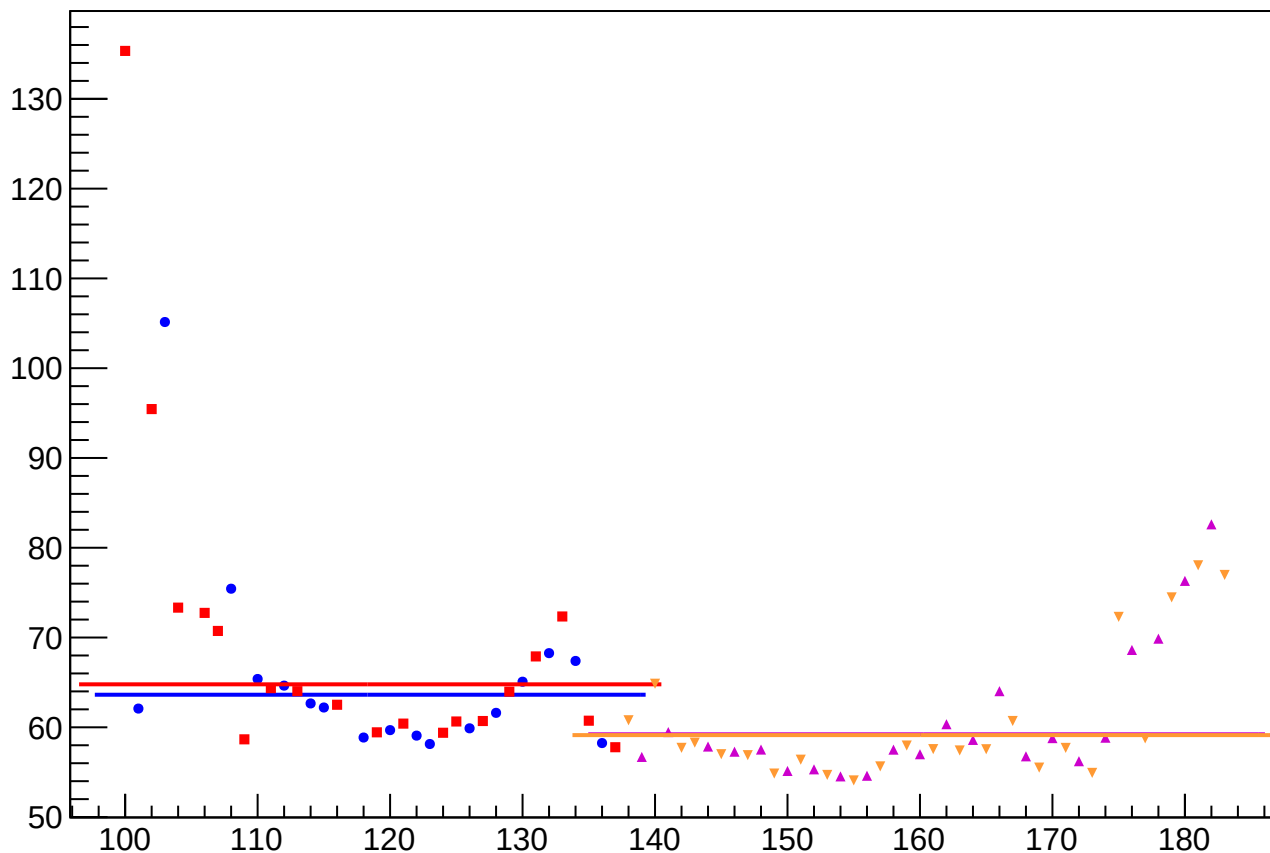
Out: 308.906 $\pm$ 0.052 χ^2 /NDF: 1225056.4/26

All: 309.197 $\pm$ 0.037 χ^2 /NDF: 2308898.4/52

reg_asym_sam8_mean vs Slug, Sign Corrected



reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.629 $\pm$ 0.018 χ^2 /NDF: 233899.4/16

Left Out: 59.131 $\pm$ 0.010 χ^2 /NDF:369098.3/23

Right Out: 64.787 $\pm$ 0.017 χ^2 /NDF: 226379.1/18

Left In: 59.224 $\pm$ 0.010 χ^2 /NDF:337091.2/21

Left: 59.176 $\pm$ 0.007 χ^2 /NDF: 706232.9/45

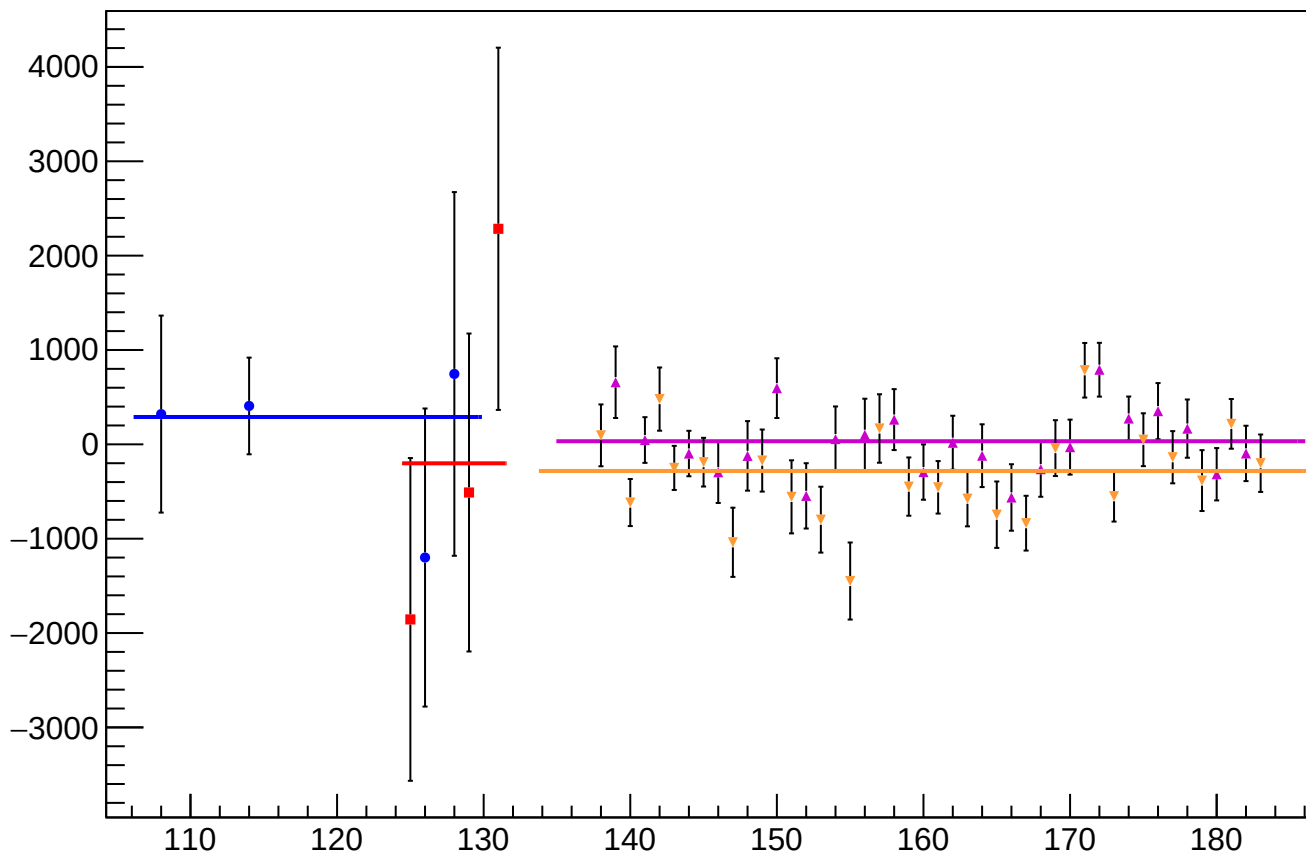
Right: 64.214 $\pm$ 0.012 χ^2 /NDF: 462460.8/35

In: 60.323 $\pm$ 0.009 χ^2 /NDF:617800.2/38

Out: 60.501 $\pm$ 0.009 χ^2 /NDF:675177.8/42

All: 60.415 $\pm$ 0.006 χ^2 /NDF: 1293187.4/81

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: 289.832 ± 430.437 $\chi^2/\text{NDF}: 1.0/3$

Left Out: -282.256 ± 61.362 $\chi^2/\text{NDF}: 52.9/23$

Right Out: -201.085 ± 1017.740 $\chi^2/\text{NDF}: 2.6/2$

Left In: 33.066 ± 64.194 $\chi^2/\text{NDF}: 27.4/21$

Left: -131.704 ± 44.357 $\chi^2/\text{NDF}: 92.9/45$

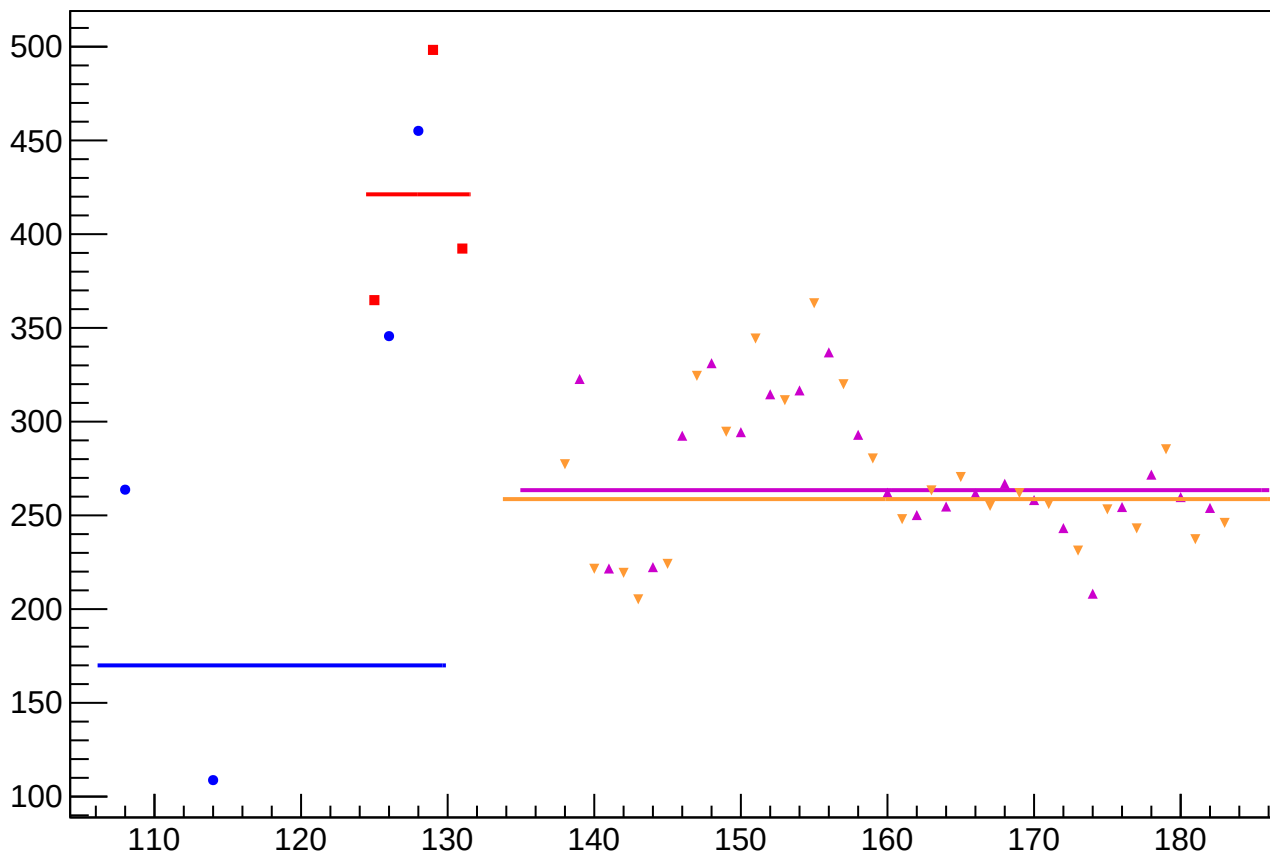
Right: 215.344 ± 396.439 $\chi^2/\text{NDF}: 3.8/6$

In: 38.653 ± 63.492 $\chi^2/\text{NDF}: 28.7/25$

Out: -281.962 ± 61.251 $\chi^2/\text{NDF}: 55.6/26$

All: -127.413 ± 44.082 $\chi^2/\text{NDF}: 97.5/52$

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 169.977 $\pm$ 0.304 χ^2 /NDF: 113149.8/3

Left Out: 258.678 $\pm$ 0.043 χ^2 /NDF: 712995.4/23

Right Out: 421.246 $\pm$ 0.720 χ^2 /NDF: 6812.8/2

Left In: 263.456 $\pm$ 0.045 χ^2 /NDF: 585499.5/21

Left: 260.959 $\pm$ 0.031 χ^2 /NDF: 1304285.8/45

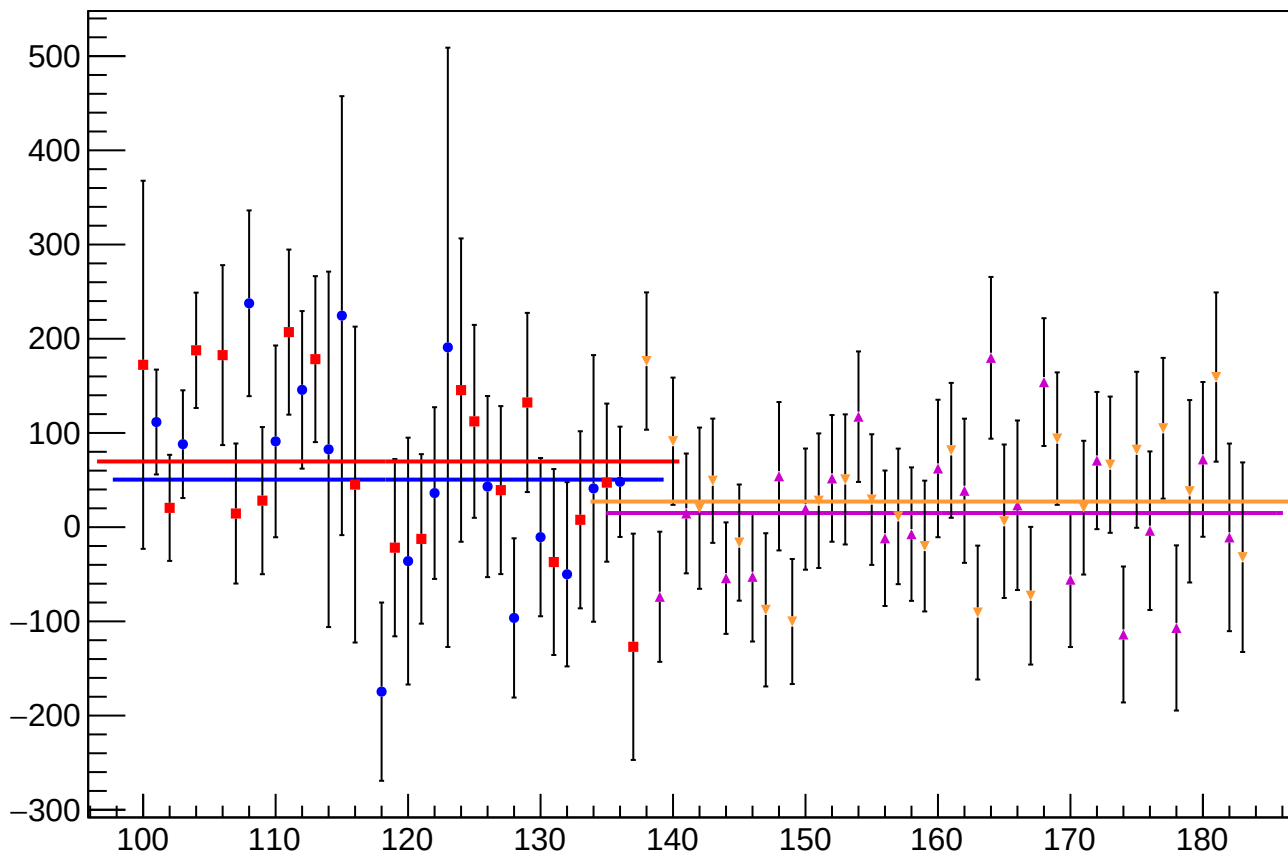
Right: 208.103 $\pm$ 0.280 χ^2 /NDF: 223373.2/6

In: 261.422 $\pm$ 0.045 χ^2 /NDF: 790924.7/25

Out: 259.267 $\pm$ 0.043 χ^2 /NDF: 770653.4/26

All: 260.306 $\pm$ 0.031 χ^2 /NDF: 1562772.4/52

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 50.467 $\pm$ 21.547 χ^2 /NDF: 18.2/16

Left Out: 27.175 $\pm$ 15.063 χ^2 /NDF:22.5/23

Right Out: 69.739 $\pm$ 20.448 χ^2 /NDF: 18.1/18

Left In: 15.014 $\pm$ 15.596 χ^2 /NDF:22.6/21

Left: 21.306 $\pm$ 10.835 χ^2 /NDF: 45.5/45

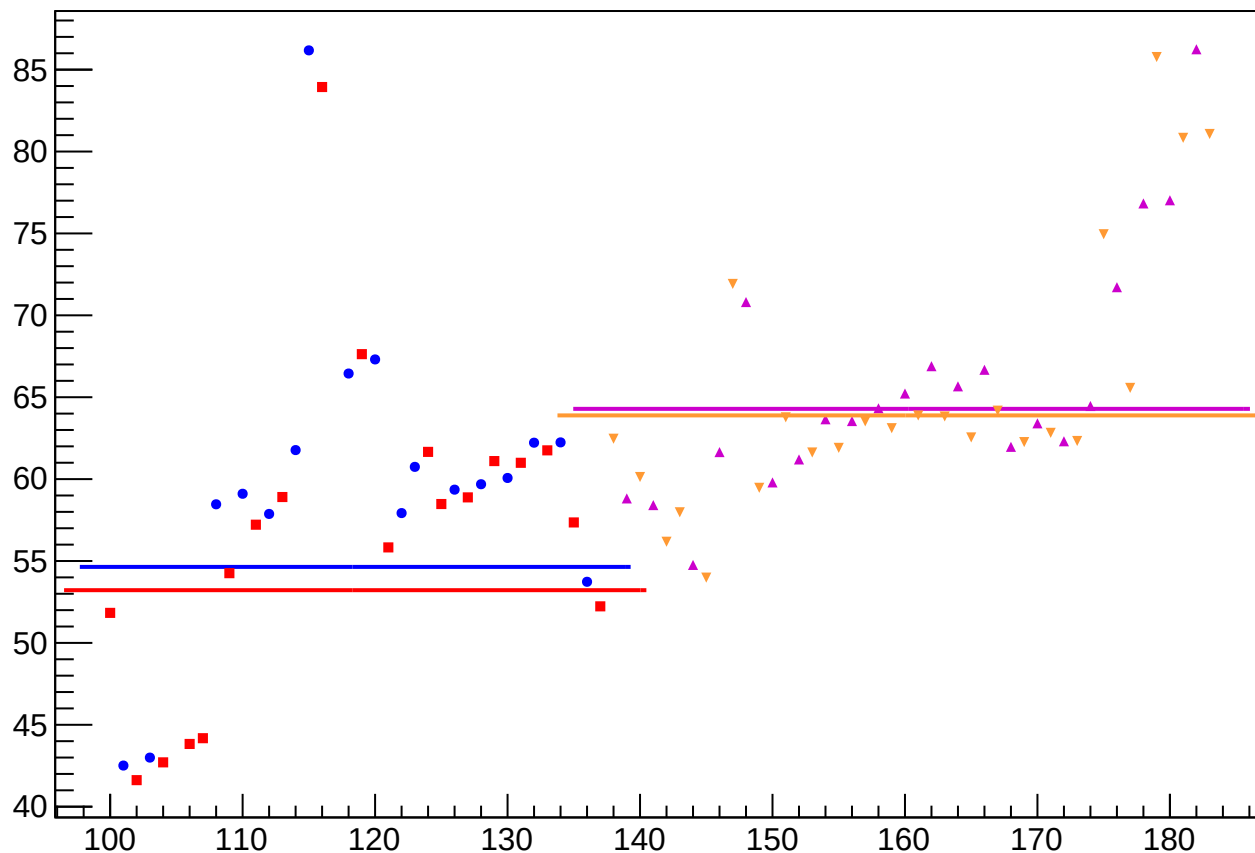
Right: 60.607 $\pm$ 14.832 χ^2 /NDF: 36.7/35

In: 27.203 $\pm$ 12.634 χ^2 /NDF:42.6/38

Out: 42.148 $\pm$ 12.128 χ^2 /NDF:43.4/42

All: 34.981 $\pm$ 8.749 χ^2 /NDF: 86.8/81

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.640 $\pm$ 0.015 χ^2 /NDF: 318989.1/16

Left Out: 63.890 $\pm$ 0.011 χ^2 /NDF: 394779.3/23

Right Out: 53.218 $\pm$ 0.014 χ^2 /NDF: 387904.0/18

Left In: 64.290 $\pm$ 0.011 χ^2 /NDF: 323005.4/21

Left: 64.083 $\pm$ 0.008 χ^2 /NDF: 718466.5/45

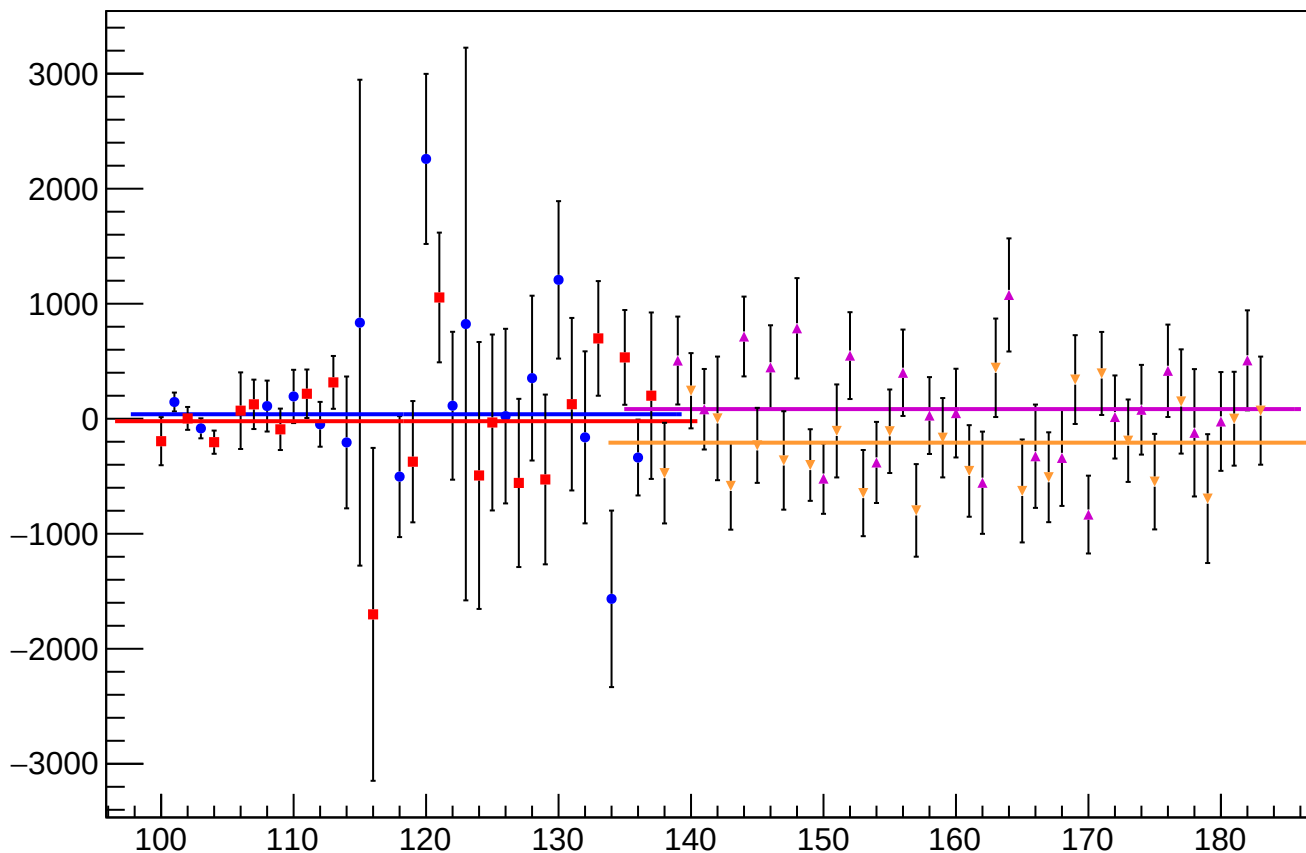
Right: 53.892 $\pm$ 0.010 χ^2 /NDF: 711474.8/35

In: 60.972 $\pm$ 0.009 χ^2 /NDF: 905221.4/38

Out: 60.136 $\pm$ 0.009 χ^2 /NDF: 1135772.0/42

All: 60.537 $\pm$ 0.006 χ^2 /NDF: 2045557.3/81

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 39.017 ± 51.561 χ^2/NDF : 23.8/16

Left Out: -208.134 ± 80.223 χ^2/NDF : 19.2/23

Right Out: -21.418 ± 53.288 χ^2/NDF : 18.8/18

Left In: 83.849 ± 82.314 χ^2/NDF : 33.2/21

Left: -65.899 ± 57.451 χ^2/NDF : 58.9/45

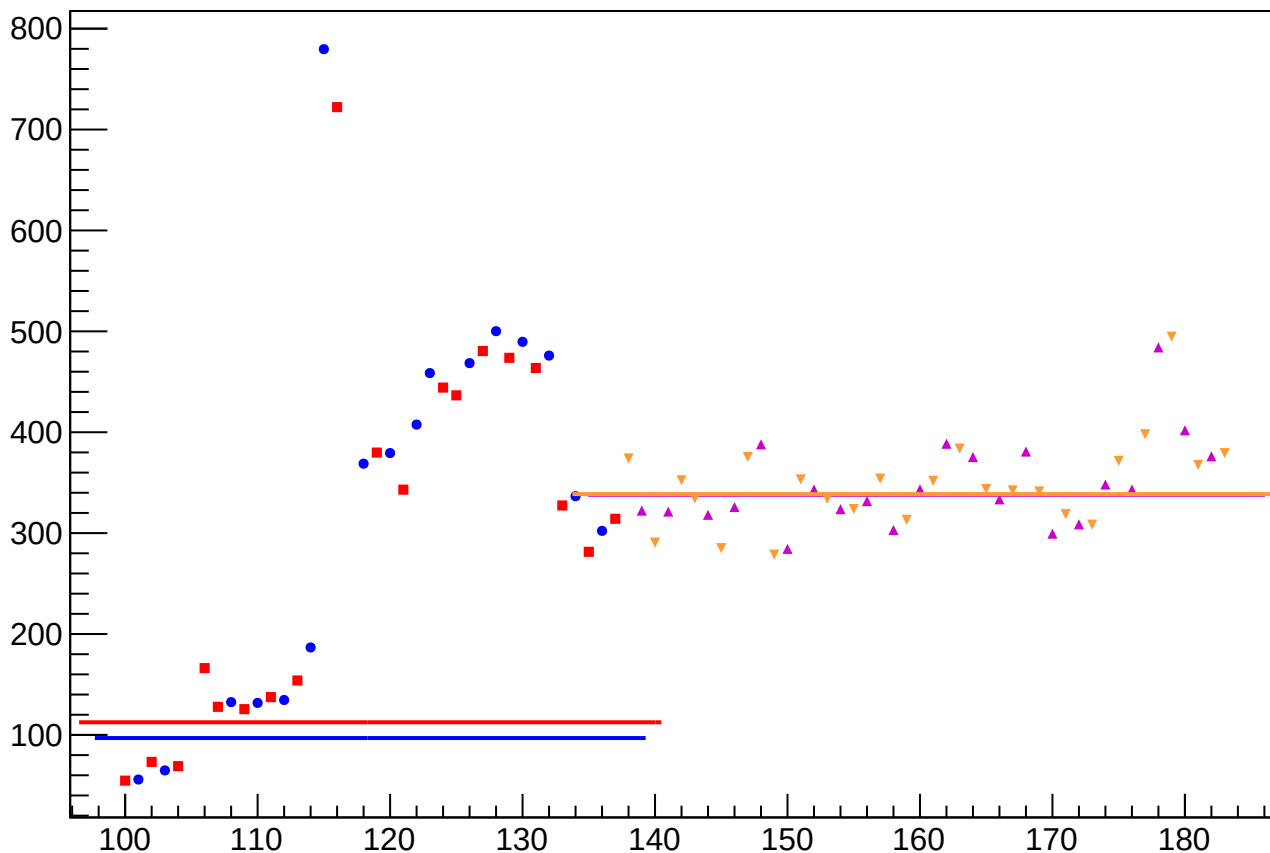
Right: 9.794 ± 37.055 χ^2/NDF : 43.3/35

In: 51.650 ± 43.696 χ^2/NDF : 57.2/38

Out: -78.581 ± 44.388 χ^2/NDF : 41.8/42

All: -12.443 ± 31.140 χ^2/NDF : 103.4/81

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 96.900+/-0.036 χ^2/NDF : 5800378.0/16

Left Out: 338.676+/-0.057 χ^2/NDF : 493059.5/23

Right Out: 112.520+/-0.038 χ^2/NDF : 5015761.7/18

Left In: 337.963+/-0.058 χ^2/NDF : 428982.1/21

Left: 338.329+/-0.041 χ^2/NDF : 922118.6/45

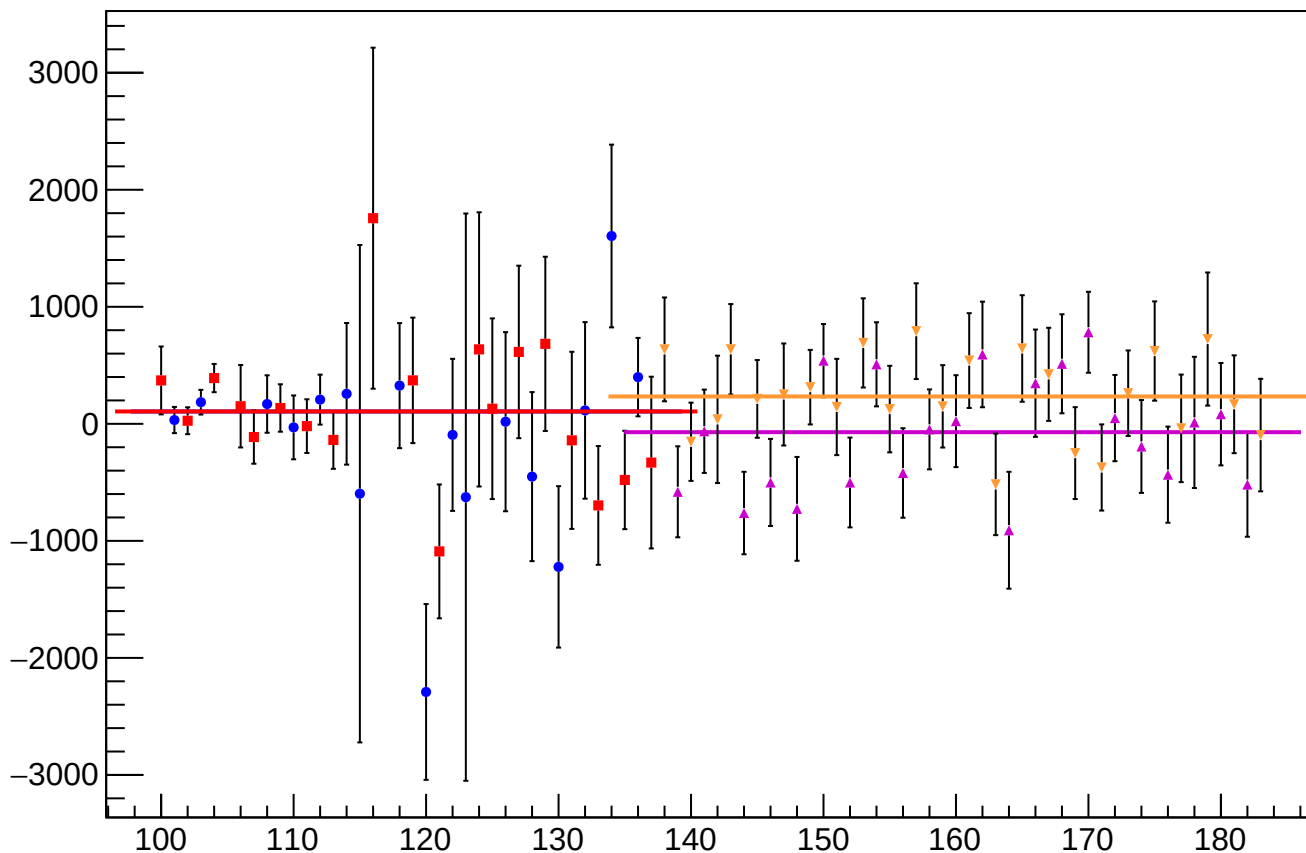
Right: 104.452+/-0.026 χ^2/NDF : 10904891.1/35

In: 164.832+/-0.031 χ^2/NDF : 18548745.7/38

Out: 181.757+/-0.031 χ^2/NDF : 16537362.0/42

All: 173.162+/-0.022 χ^2/NDF : 35233792.7/83

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 105.662 $\pm$ 63.187 χ^2 /NDF: 21.0/16

Left Out: 233.898 $\pm$ 81.698 χ^2 /NDF: 18.2/23

Right Out: 105.735 $\pm$ 60.878 χ^2 /NDF: 21.2/18

Left In: -71.230 $\pm$ 83.853 χ^2 /NDF: 33.6/21

Left: 85.304 $\pm$ 58.516 χ^2 /NDF: 58.6/45

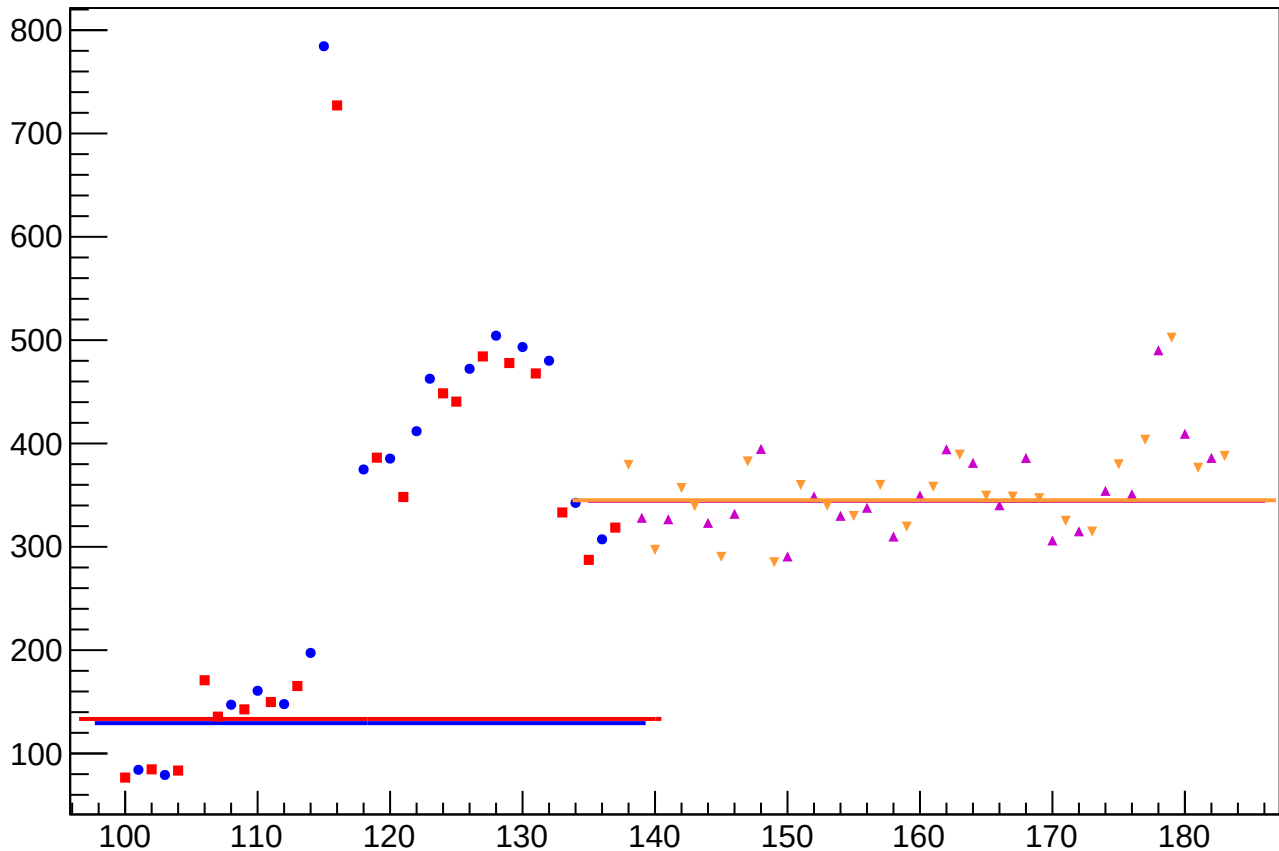
Right: 105.700 $\pm$ 43.841 χ^2 /NDF: 42.2/35

In: 41.596 $\pm$ 50.464 χ^2 /NDF: 57.4/38

Out: 151.491 $\pm$ 48.815 χ^2 /NDF: 41.0/42

All: 98.367 $\pm$ 35.086 χ^2 /NDF: 100.9/81

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.376 $\pm$ 0.045 χ^2 /NDF: 4758533.8/16

Left Out: 345.033 $\pm$ 0.058 χ^2 /NDF: 483288.9/23

Right Out: 133.433 $\pm$ 0.043 χ^2 /NDF: 4349255.7/18

Left In: 344.396 $\pm$ 0.059 χ^2 /NDF: 418100.6/21

Left: 344.723 $\pm$ 0.041 χ^2 /NDF: 901448.9/45

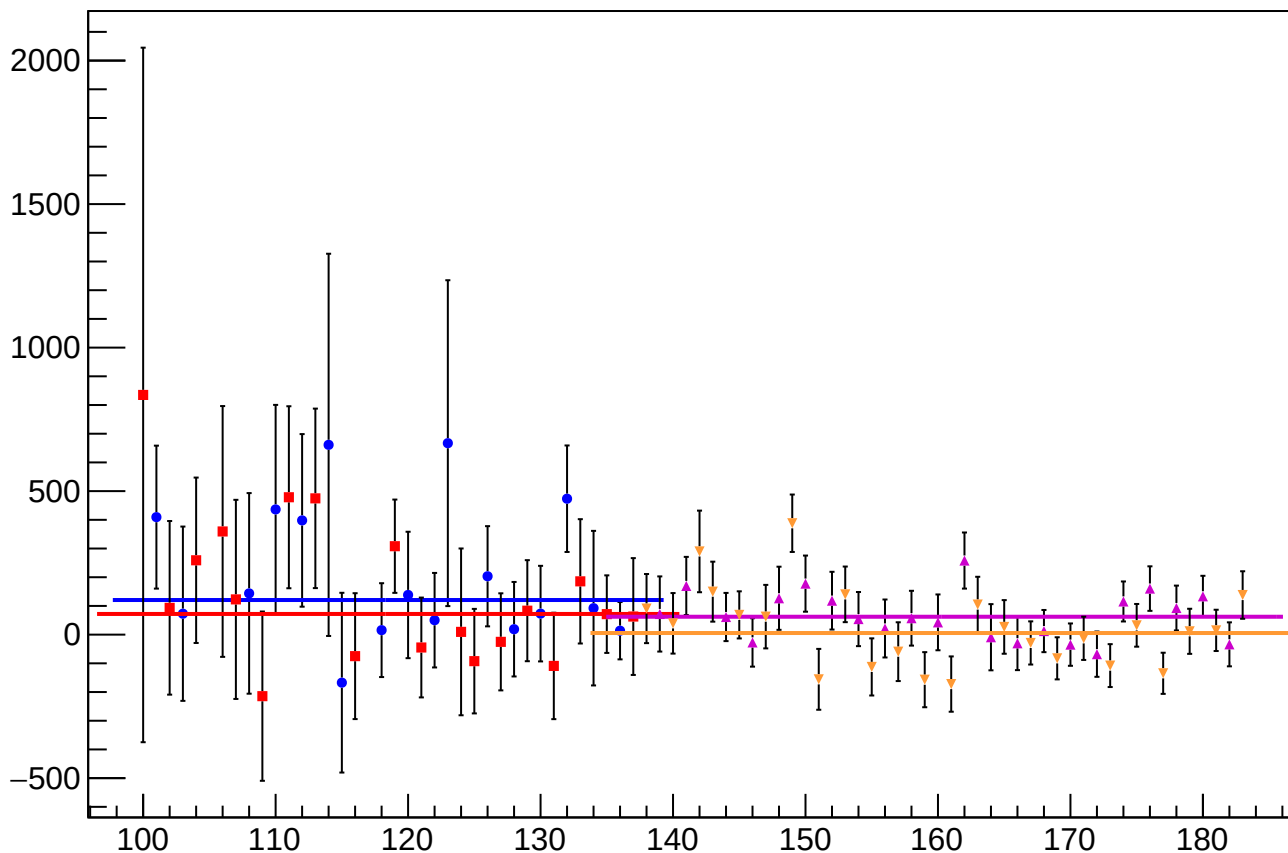
Right: 131.480 $\pm$ 0.031 χ^2 /NDF: 9112065.6/35

In: 207.251 $\pm$ 0.036 χ^2 /NDF: 13564507.6/38

Out: 208.978 $\pm$ 0.035 χ^2 /NDF: 13459053.9/42

All: 208.143 $\pm$ 0.025 χ^2 /NDF: 27024771.3/83

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 120.594 $\pm$ 49.201 χ^2/NDF : 11.5/16

Left Out: 5.627 $\pm$ 18.094 χ^2/NDF :46.0/23

Right Out: 72.023 $\pm$ 50.051 χ^2/NDF : 11.0/18

Left In: 62.334 $\pm$ 18.646 χ^2/NDF :19.7/21

Left: 33.129 $\pm$ 12.985 χ^2/NDF : 70.5/45

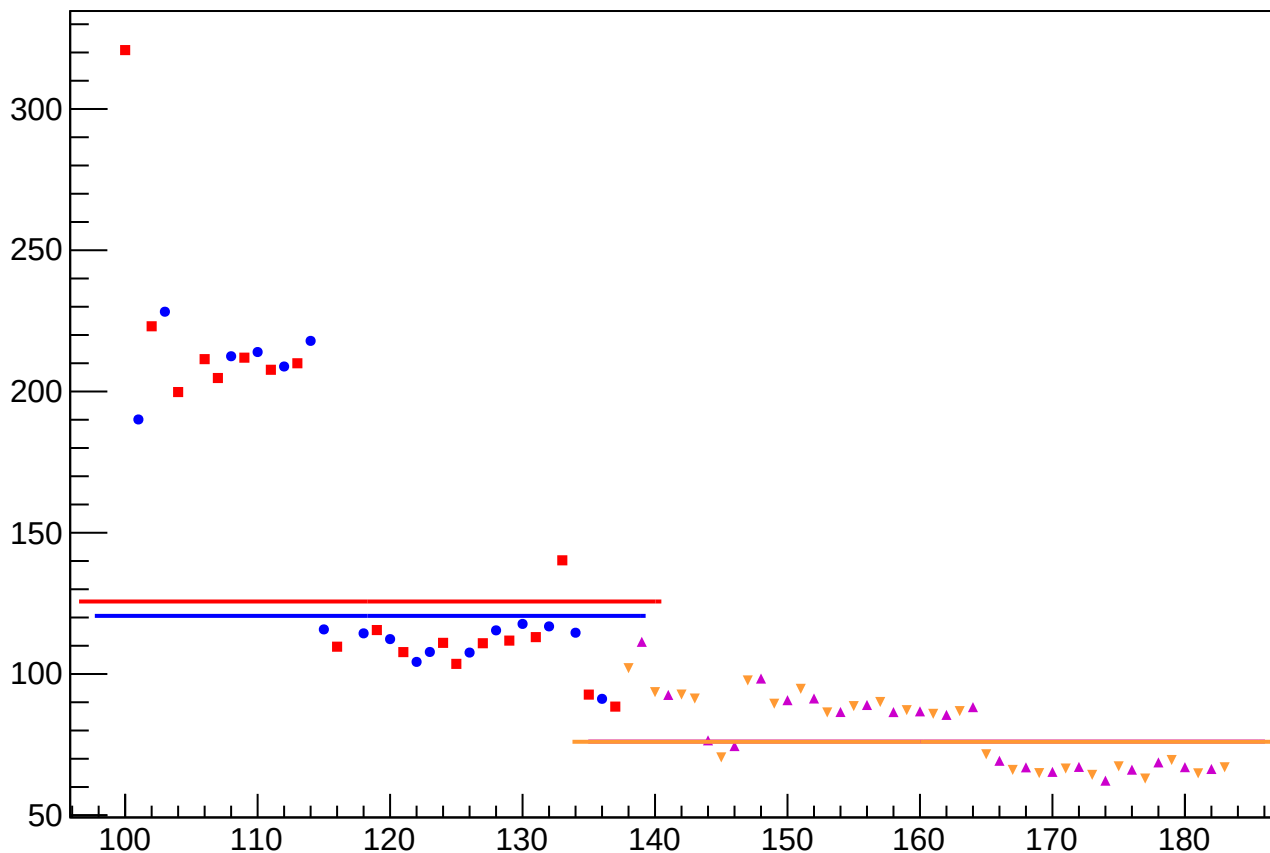
Right: 96.725 $\pm$ 35.087 χ^2/NDF : 22.9/35

In: 69.651 $\pm$ 17.436 χ^2/NDF :32.4/38

Out: 13.301 $\pm$ 17.016 χ^2/NDF :58.5/42

All: 40.790 $\pm$ 12.178 χ^2/NDF : 96.3/81

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.576 $\pm$ 0.035 χ^2 /NDF: 1107352.4/16

Left Out: 76.012 $\pm$ 0.013 χ^2 /NDF:915928.7/23

Right Out: 125.666 $\pm$ 0.035 χ^2 /NDF: 1329602.0/18

Left In: 76.091 $\pm$ 0.013 χ^2 /NDF:822423.4/21

Left: 76.050 $\pm$ 0.009 χ^2 /NDF: 1738370.7/45

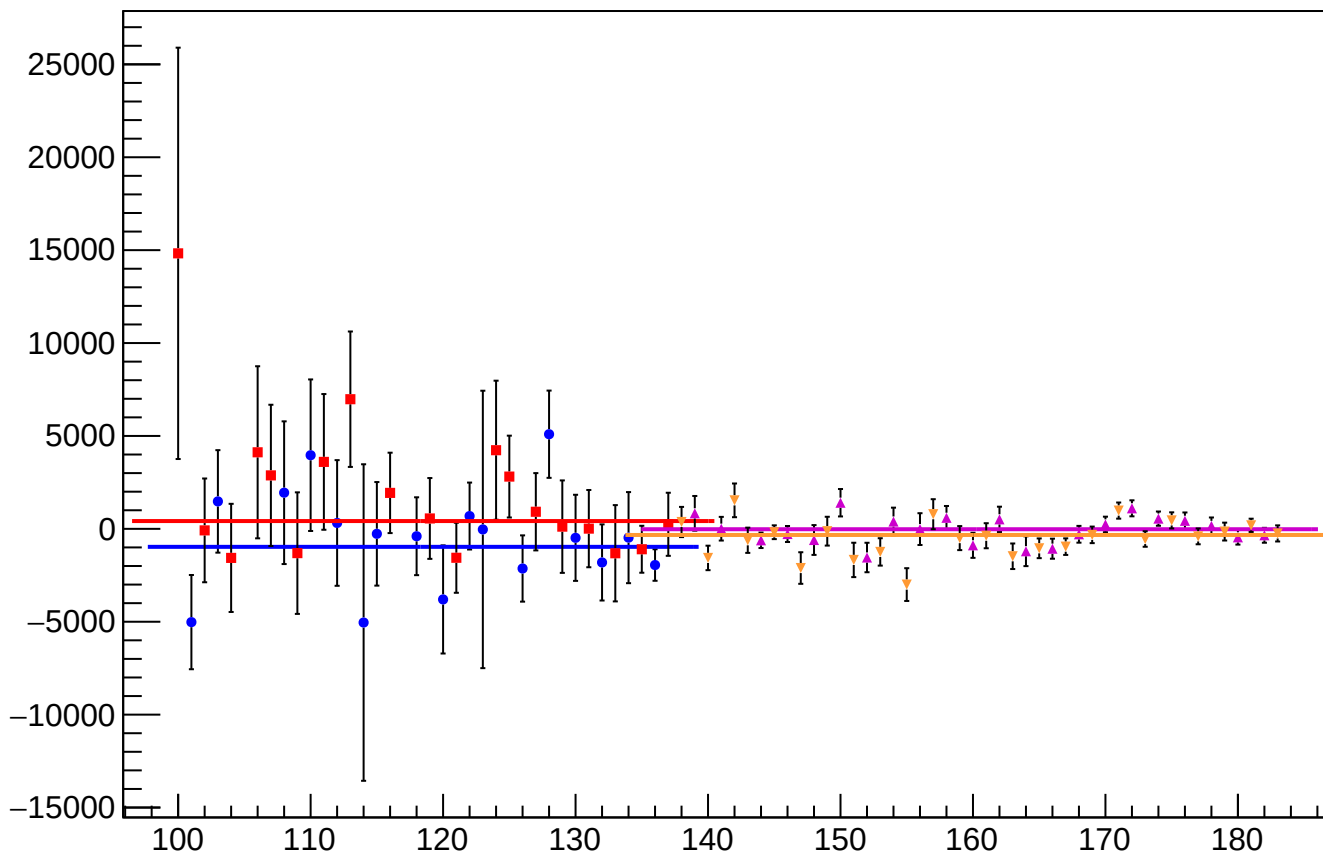
Right: 123.077 $\pm$ 0.025 χ^2 /NDF: 2447473.4/35

In: 81.678 $\pm$ 0.012 χ^2 /NDF:3359417.0/38

Out: 81.751 $\pm$ 0.012 χ^2 /NDF:3986420.5/42

All: 81.715 $\pm$ 0.009 χ^2 /NDF: 7345855.5/81

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -968.648+/-513.413 χ^2/NDF : 16.4/16

Left Out: -329.930+/-109.725 χ^2/NDF : 49.6/23

Right Out: 419.047+/-546.790 χ^2/NDF : 13.3/18

Left In: -20.657+/-111.693 χ^2/NDF : 33.5/21

Left: -178.042+/-78.274 χ^2/NDF : 87.1/45

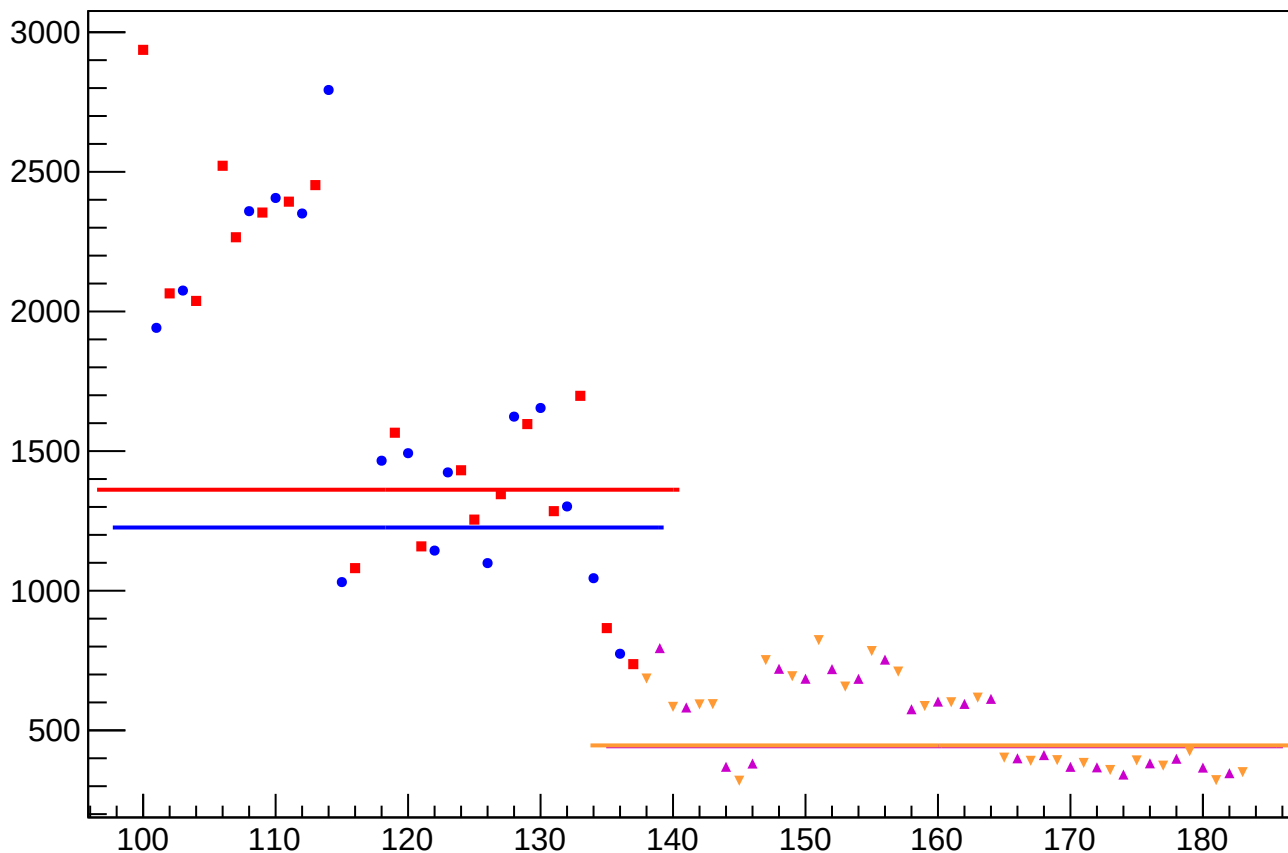
Right: -318.444+/-374.282 χ^2/NDF : 33.1/35

In: -63.495+/-109.140 χ^2/NDF : 53.1/38

Out: -300.937+/-107.580 χ^2/NDF : 64.8/42

All: -183.925+/-76.616 χ^2/NDF : 120.3/81

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.408 $\pm$ 0.363 χ^2 /NDF: 1754373.1/16

Left Out: 446.047 $\pm$ 0.078 χ^2 /NDF:3066956.0/23

Right Out: 1361.687 $\pm$ 0.387 χ^2 /NDF: 1749515.8/18

Left In: 442.938 $\pm$ 0.079 χ^2 /NDF:2573736.2/21

Left: 444.520 $\pm$ 0.055 χ^2 /NDF: 5641481.1/45

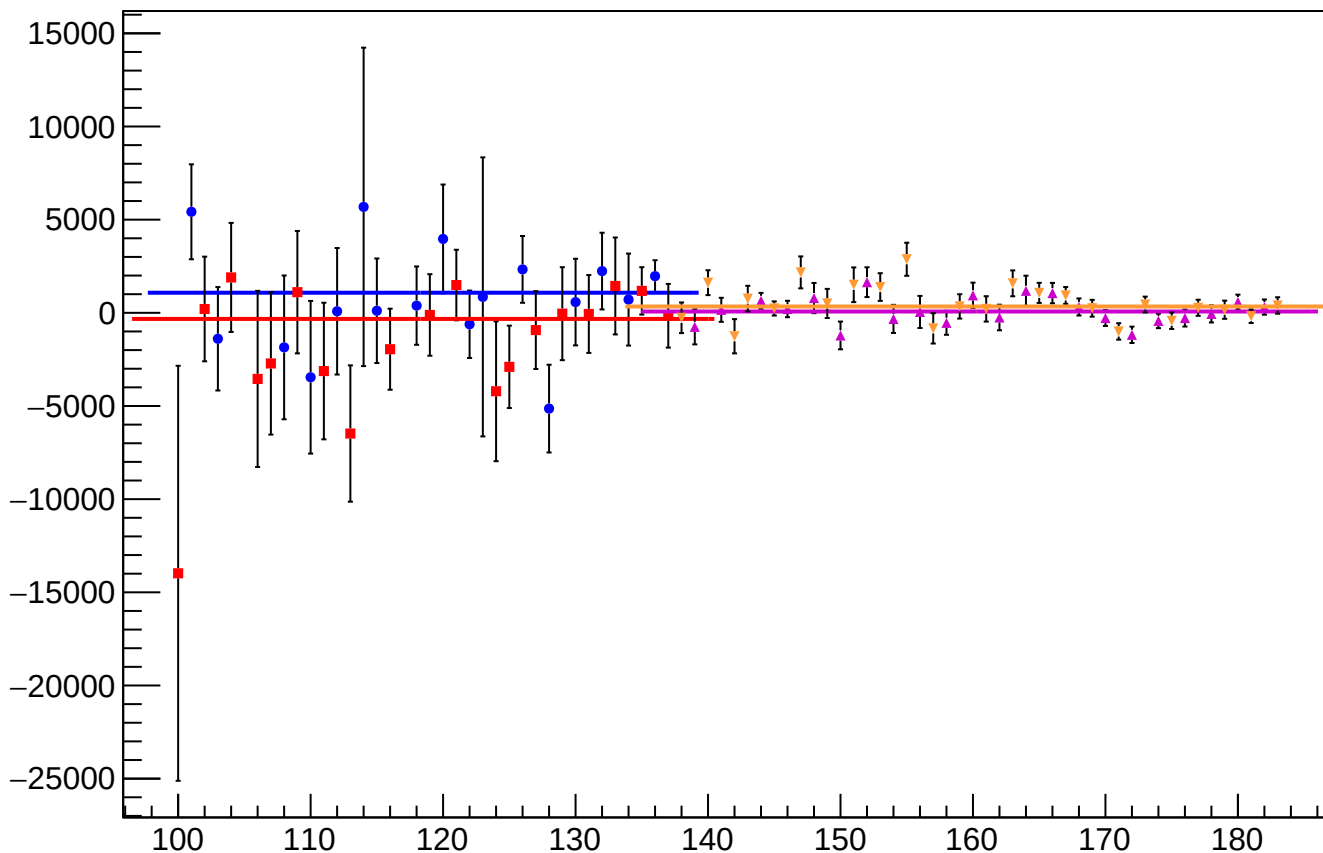
Right: 1289.793 $\pm$ 0.265 χ^2 /NDF: 3568949.4/35

In: 478.342 $\pm$ 0.077 χ^2 /NDF:8775019.2/38

Out: 481.492 $\pm$ 0.076 χ^2 /NDF:10207759.3/42

All: 479.939 $\pm$ 0.054 χ^2 /NDF: 18983623.3/83

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1078.872 $\pm$ 516.347 χ^2/NDF : 16.9/16

Left Out: 339.362 $\pm$ 111.385 χ^2/NDF : 47.4/23

Right Out: -327.027 $\pm$ 549.623 χ^2/NDF : 12.5/18

Left In: 71.302 $\pm$ 113.418 χ^2/NDF : 31.9/21

Left: 207.755 $\pm$ 79.470 χ^2/NDF : 82.1/45

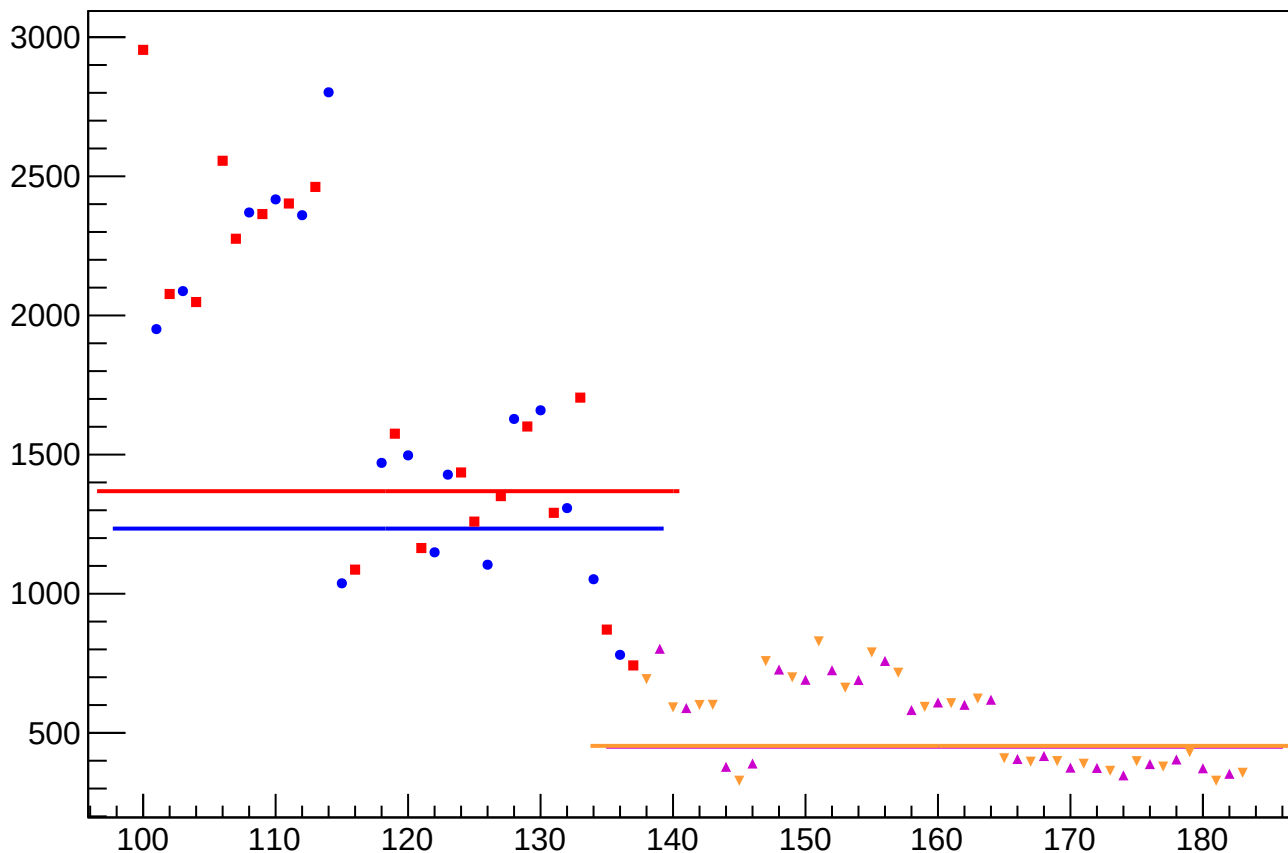
Right: 419.768 $\pm$ 376.327 χ^2/NDF : 32.8/35

In: 117.678 $\pm$ 110.777 χ^2/NDF : 52.4/38

Out: 313.073 $\pm$ 109.166 χ^2/NDF : 61.3/42

All: 216.806 $\pm$ 77.755 χ^2/NDF : 115.3/81

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1234.132+/-0.365 χ^2/NDF : 1741964.9/16

Left Out: 453.355+/-0.079 χ^2/NDF : 2991274.9/23

Right Out: 1368.544+/-0.389 χ^2/NDF : 1745009.6/18

Left In: 450.255+/-0.080 χ^2/NDF : 2514268.5/21

Left: 451.833+/-0.056 χ^2/NDF : 5506304.1/45

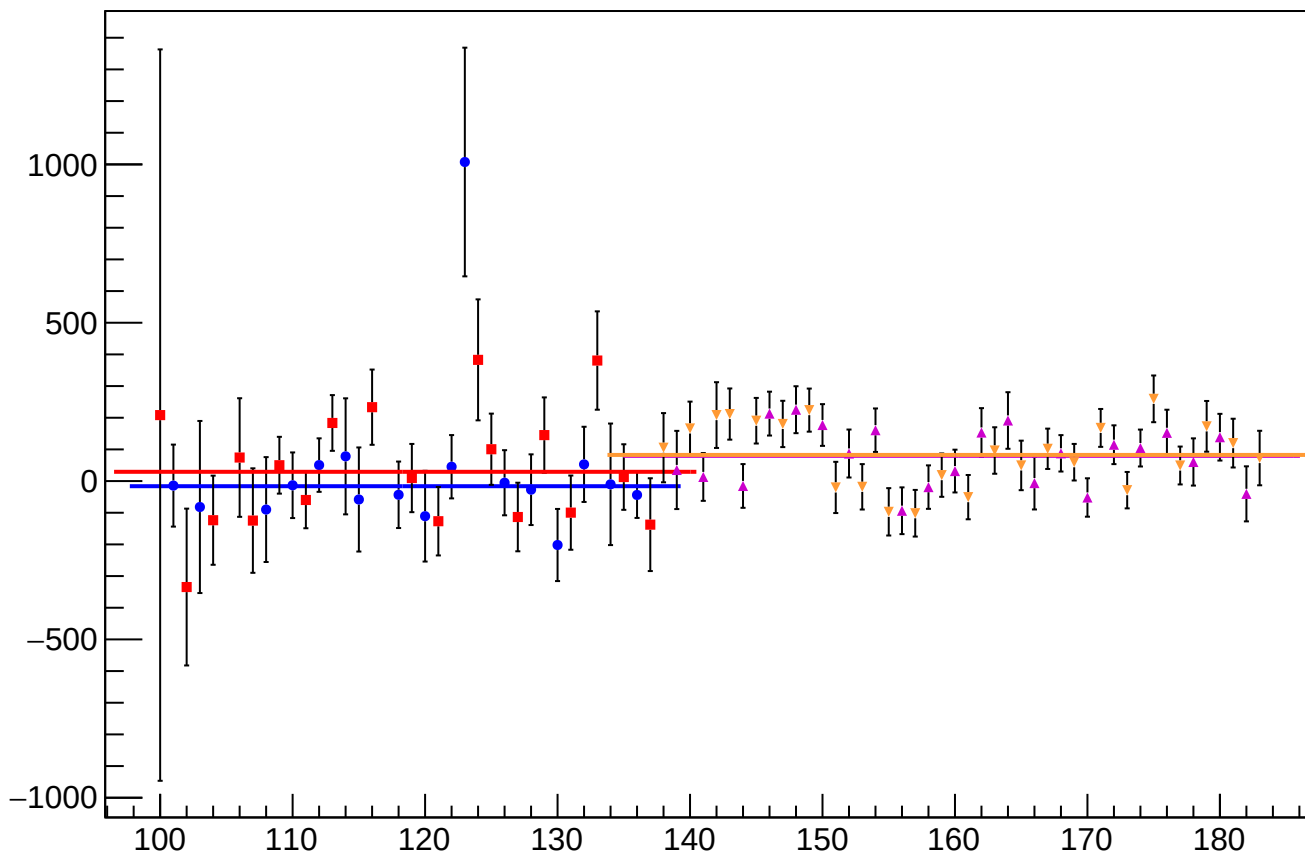
Right: 1297.146+/-0.266 χ^2/NDF : 3550510.7/35

In: 486.335+/-0.078 χ^2/NDF : 8653465.7/38

Out: 489.460+/-0.077 χ^2/NDF : 10062771.6/42

All: 487.920+/-0.055 χ^2/NDF : 18717044.6/83

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -16.204 ± 28.906 $\chi^2/\text{NDF}: 13.3/16$

Left Out: 82.560 ± 14.755 $\chi^2/\text{NDF}: 47.4/23$

Right Out: 29.279 ± 28.050 $\chi^2/\text{NDF}: 27.6/18$

Left In: 79.623 ± 15.196 $\chi^2/\text{NDF}: 34.4/21$

Left: 81.135 ± 10.586 $\chi^2/\text{NDF}: 81.8/45$

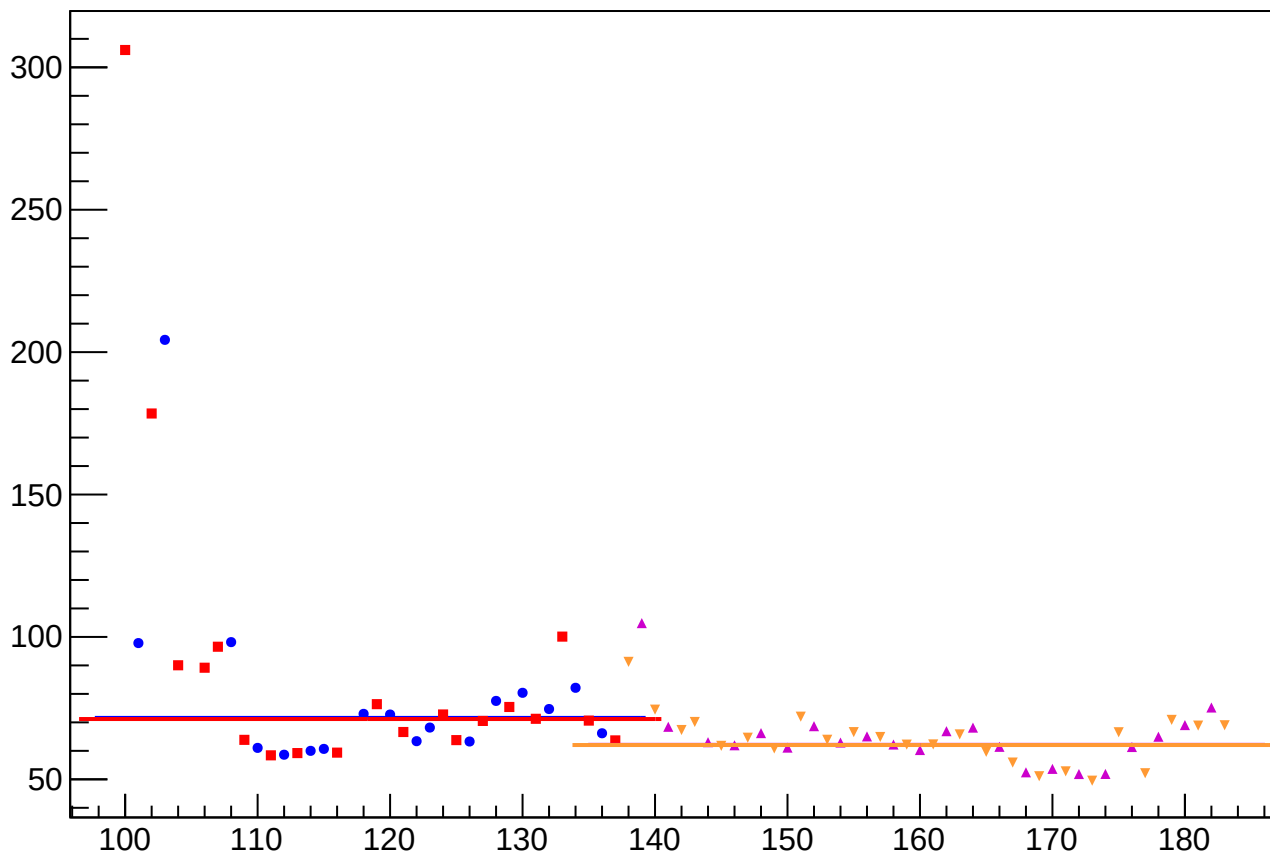
Right: 7.221 ± 20.130 $\chi^2/\text{NDF}: 42.2/35$

In: 58.875 ± 13.450 $\chi^2/\text{NDF}: 56.3/38$

Out: 71.013 ± 13.058 $\chi^2/\text{NDF}: 77.8/42$

All: 65.123 ± 9.369 $\chi^2/\text{NDF}: 134.6/81$

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.567 $\pm$ 0.020 χ^2 /NDF: 758733.9/16

Left Out: 62.045 $\pm$ 0.010 χ^2 /NDF: 611662.0/23

Right Out: 71.173 $\pm$ 0.020 χ^2 /NDF: 765136.0/18

Left In: 62.108 $\pm$ 0.011 χ^2 /NDF: 576437.7/21

Left: 62.076 $\pm$ 0.007 χ^2 /NDF: 1188117.4/45

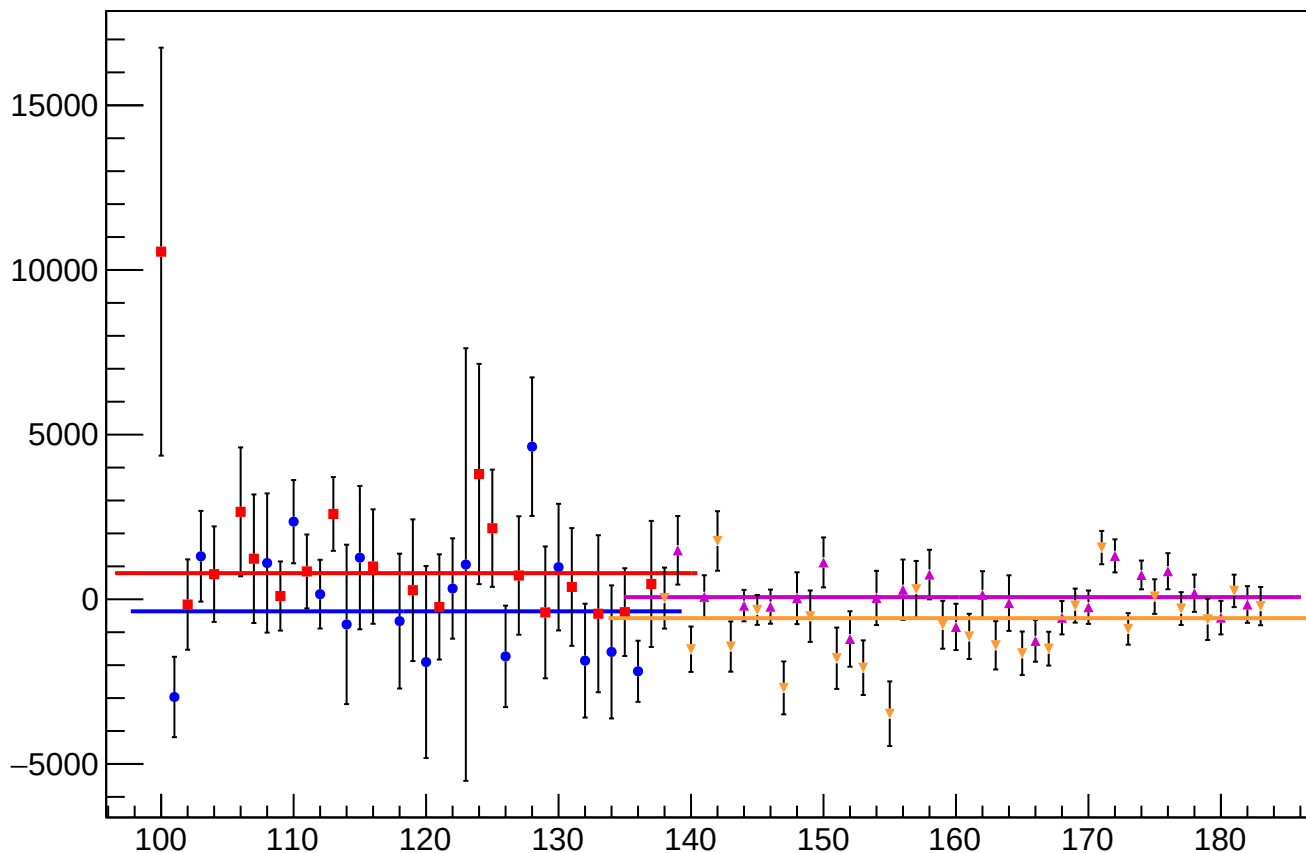
Right: 71.364 $\pm$ 0.014 χ^2 /NDF: 1524061.4/35

In: 64.156 $\pm$ 0.010 χ^2 /NDF: 1502939.2/38

Out: 64.024 $\pm$ 0.009 χ^2 /NDF: 1542673.0/42

All: 64.088 $\pm$ 0.007 χ^2 /NDF: 3045712.6/81

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -365.739 ± 382.977 $\chi^2/\text{NDF}: 24.4/16$

Left Out: -572.790 ± 128.548 $\chi^2/\text{NDF}: 64.3/23$

Right Out: 794.732 ± 370.548 $\chi^2/\text{NDF}: 10.3/18$

Left In: 66.561 ± 130.254 $\chi^2/\text{NDF}: 27.9/21$

Left: -257.329 ± 91.494 $\chi^2/\text{NDF}: 104.4/45$

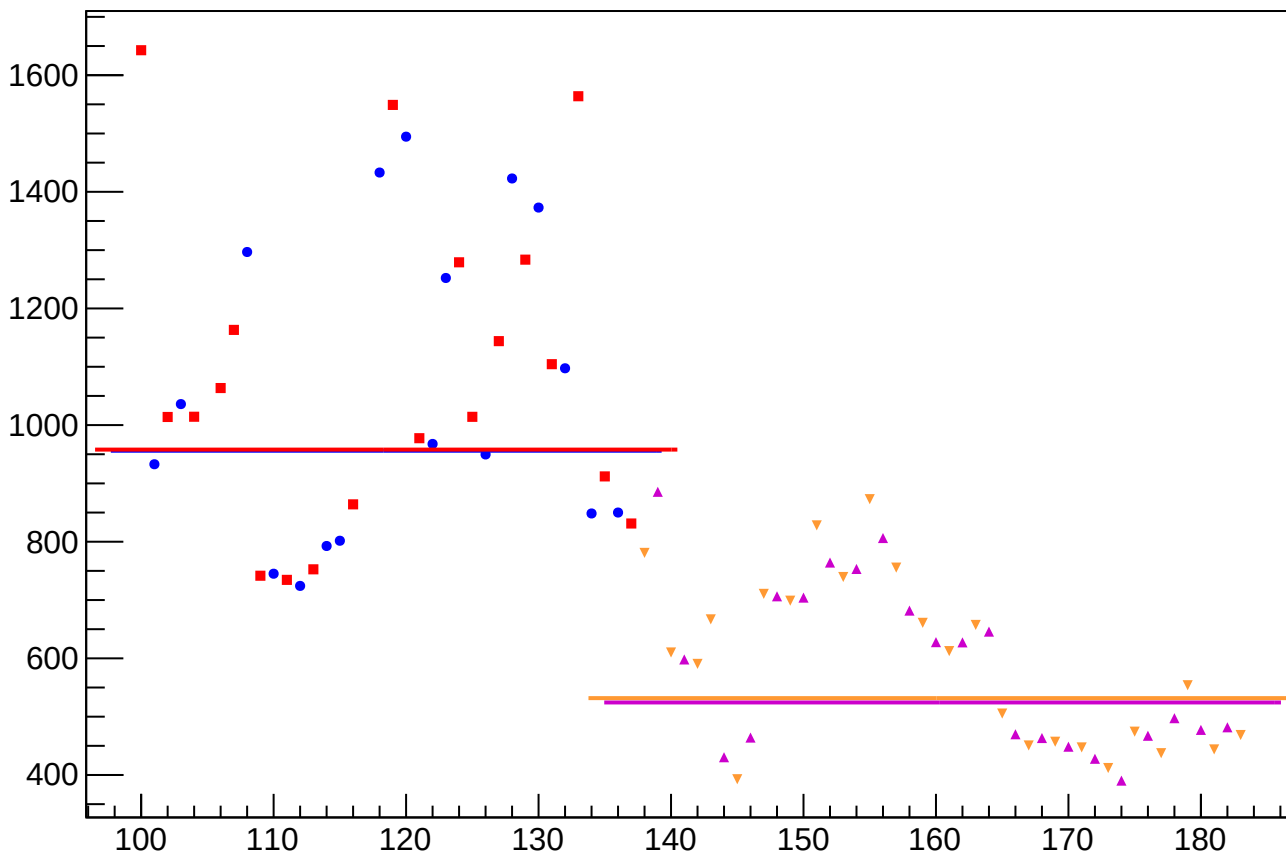
Right: 233.634 ± 266.303 $\chi^2/\text{NDF}: 39.5/35$

In: 21.740 ± 123.317 $\chi^2/\text{NDF}: 53.5/38$

Out: -425.889 ± 121.447 $\chi^2/\text{NDF}: 86.7/42$

All: -205.494 ± 86.530 $\chi^2/\text{NDF}: 147.0/81$

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 956.049 $\pm$ 0.271 χ^2 /NDF: 651701.4/16

Left Out: 531.798 $\pm$ 0.091 χ^2 /NDF:1936874.2/23

Right Out: 957.960 $\pm$ 0.262 χ^2 /NDF: 695647.8/18

Left In: 524.388 $\pm$ 0.092 χ^2 /NDF:1716161.7/21

Left: 528.142 $\pm$ 0.065 χ^2 /NDF: 3656314.5/45

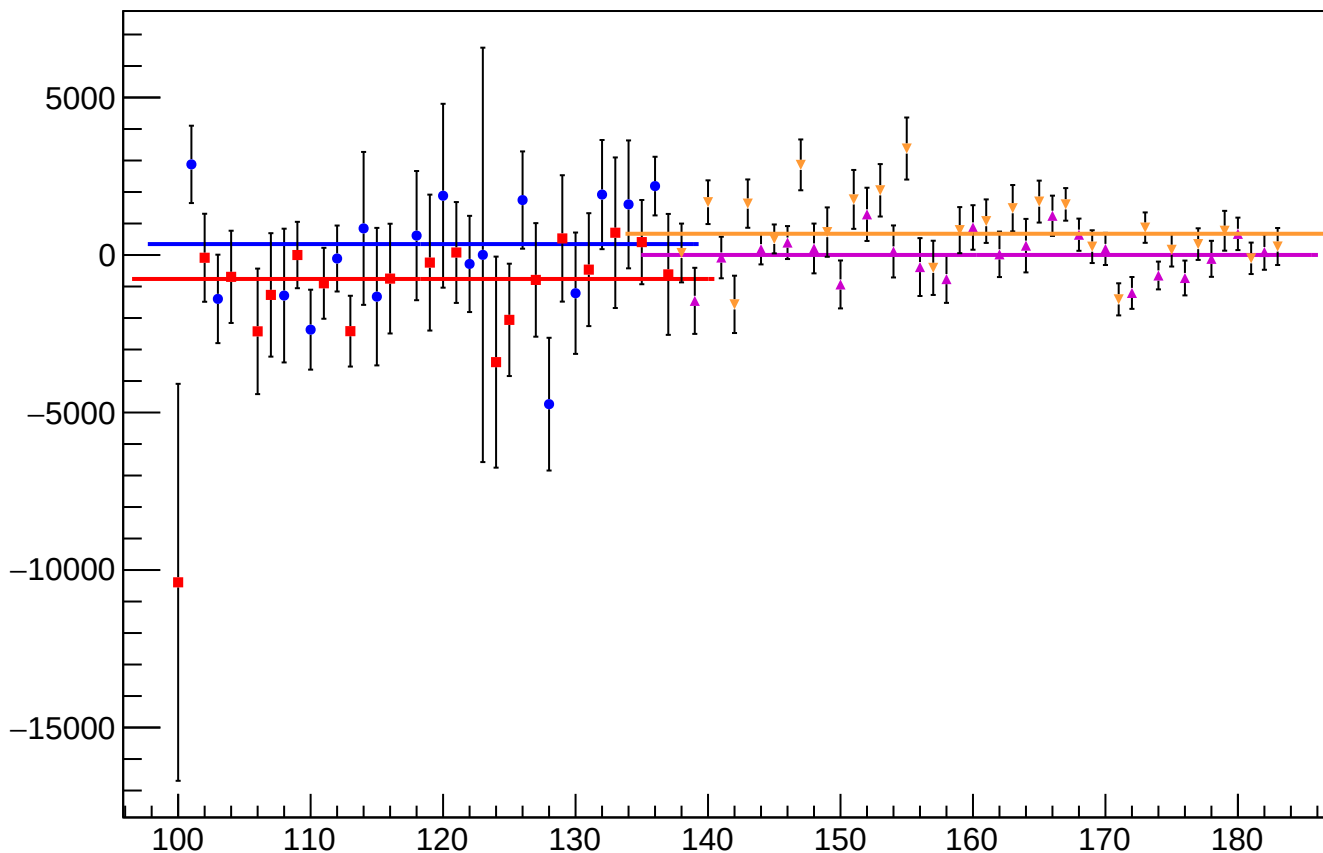
Right: 957.036 $\pm$ 0.188 χ^2 /NDF: 1347374.9/35

In: 569.143 $\pm$ 0.087 χ^2 /NDF:4645219.4/38

Out: 577.576 $\pm$ 0.086 χ^2 /NDF:4993757.2/42

All: 573.424 $\pm$ 0.061 χ^2 /NDF: 9643725.0/81

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 347.157+/-384.717 χ^2/NDF : 24.7/16

Left Out: 674.732+/-129.541 χ^2/NDF :59.8/23

Right Out: -760.420+/-372.421 χ^2/NDF : 9.1/18

Left In: 2.101+/-131.289 χ^2/NDF :26.3/21

Left: 342.924+/-92.211 χ^2/NDF : 99.4/45

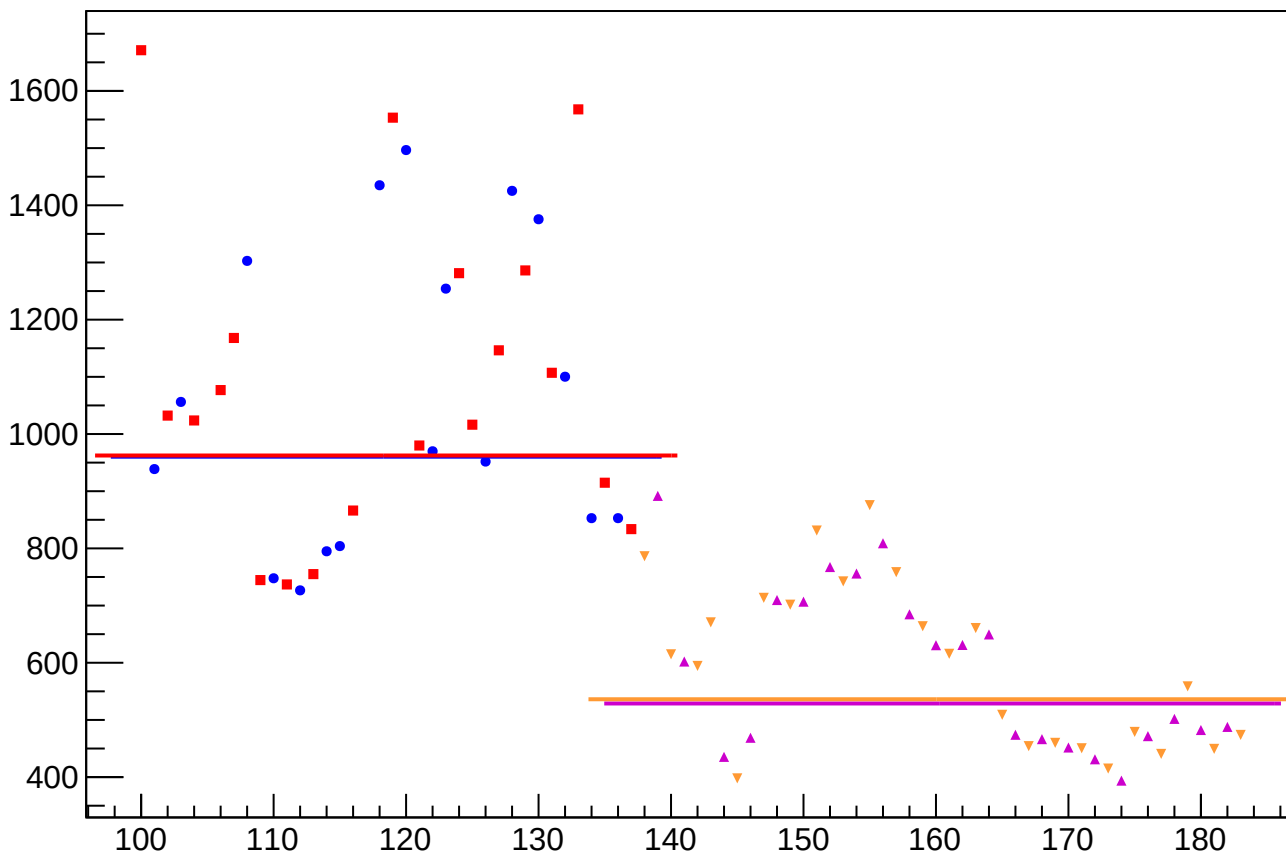
Right: -224.613+/-267.583 χ^2/NDF : 38.1/35

In: 38.095+/-124.253 χ^2/NDF :51.7/38

Out: 519.835+/-122.351 χ^2/NDF :82.1/42

All: 282.680+/-87.180 χ^2/NDF : 141.5/81

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 960.401 $\pm$ 0.272 χ^2 /NDF: 651758.1/16

Left Out: 536.158 $\pm$ 0.092 χ^2 /NDF:1904387.8/23

Right Out: 962.436 $\pm$ 0.263 χ^2 /NDF: 698312.5/18

Left In: 528.793 $\pm$ 0.093 χ^2 /NDF:1688446.8/21

Left: 532.525 $\pm$ 0.065 χ^2 /NDF: 3596023.2/45

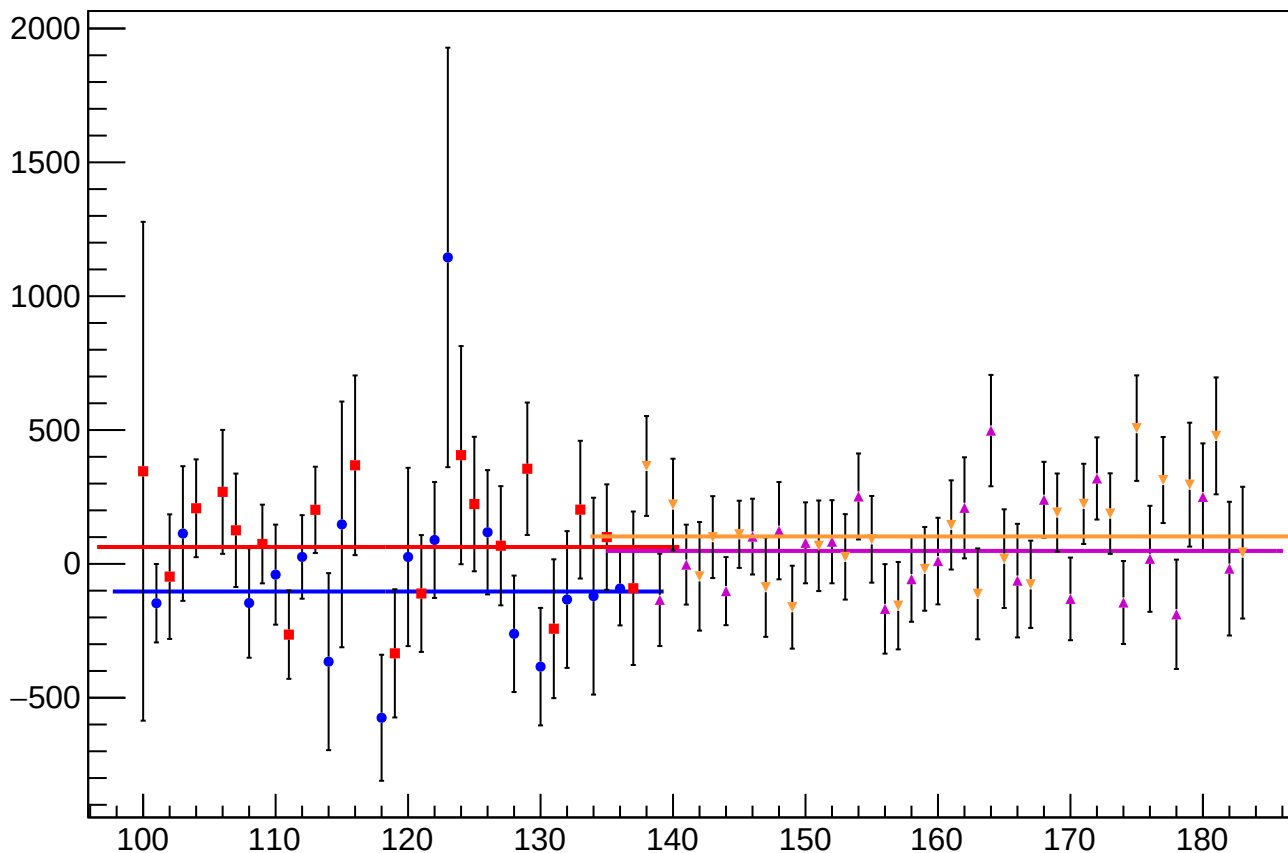
Right: 961.451 $\pm$ 0.189 χ^2 /NDF: 1350099.5/35

In: 573.815 $\pm$ 0.088 χ^2 /NDF:4594875.5/38

Out: 582.166 $\pm$ 0.087 χ^2 /NDF:4940171.1/42

All: 578.055 $\pm$ 0.062 χ^2 /NDF: 9539633.8/81

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -103.183 ± 53.022 $\chi^2/\text{NDF}: 13.2/16$

Left Out: 102.531 ± 34.320 $\chi^2/\text{NDF}: 24.4/23$

Right Out: 63.083 ± 50.922 $\chi^2/\text{NDF}: 15.2/18$

Left In: 48.413 ± 35.405 $\chi^2/\text{NDF}: 22.8/21$

Left: 76.315 ± 24.643 $\chi^2/\text{NDF}: 48.4/45$

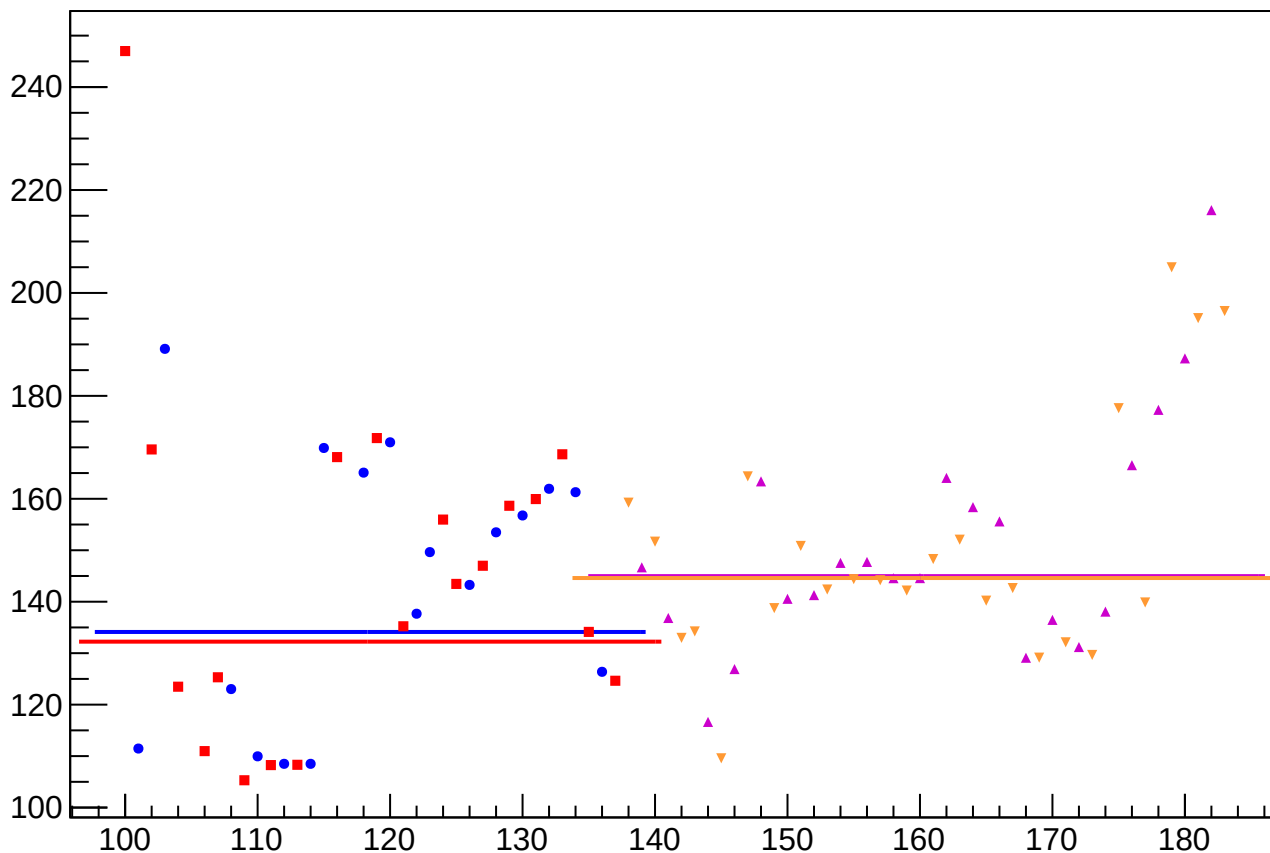
Right: -16.692 ± 36.727 $\chi^2/\text{NDF}: 33.5/35$

In: 1.664 ± 29.444 $\chi^2/\text{NDF}: 41.6/38$

Out: 90.209 ± 28.460 $\chi^2/\text{NDF}: 40.1/42$

All: 47.442 ± 20.463 $\chi^2/\text{NDF}: 86.3/81$

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.122 $\pm$ 0.037 χ^2/NDF : 402473.7/16

Left Out: 144.601 $\pm$ 0.024 χ^2/NDF :668741.4/23

Right Out: 132.239 $\pm$ 0.036 χ^2/NDF : 443566.0/18

Left In: 144.974 $\pm$ 0.025 χ^2/NDF :572673.8/21

Left: 144.782 $\pm$ 0.017 χ^2/NDF : 1241529.4/45

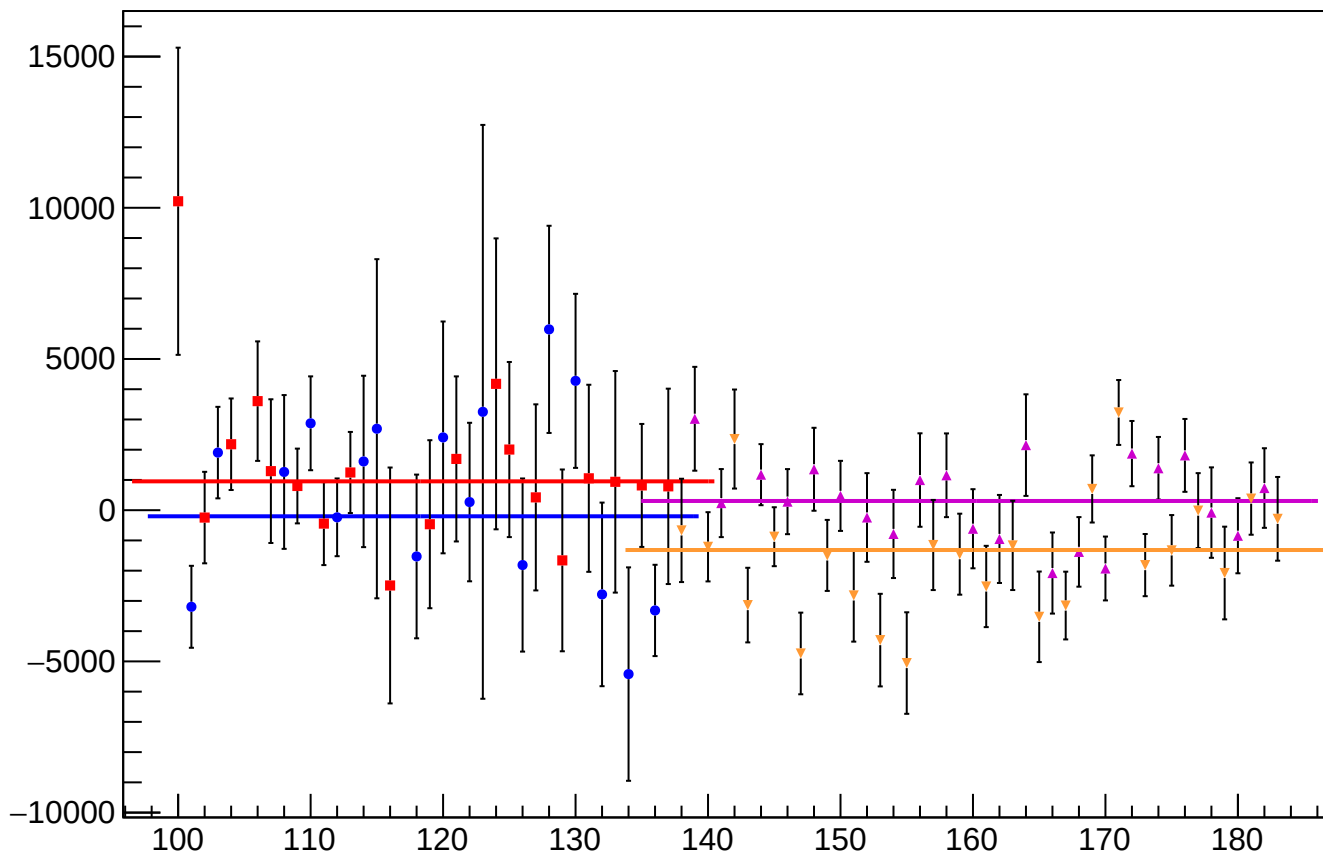
Right: 133.143 $\pm$ 0.026 χ^2/NDF : 847351.7/35

In: 141.628 $\pm$ 0.021 χ^2/NDF :1033090.2/38

Out: 140.740 $\pm$ 0.020 χ^2/NDF :1193360.0/42

All: 141.169 $\pm$ 0.014 χ^2/NDF : 2227389.8/81

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -201.740 $\pm$ 524.888 χ^2 /NDF: 25.8/16

Left Out: -1316.655 $\pm$ 261.764 χ^2 /NDF:54.9/23

Right Out: 953.808 $\pm$ 481.576 χ^2 /NDF: 10.0/18

Left In: 304.613 $\pm$ 268.230 χ^2 /NDF:23.1/21

Left: -525.797 $\pm$ 187.339 χ^2 /NDF: 96.7/45

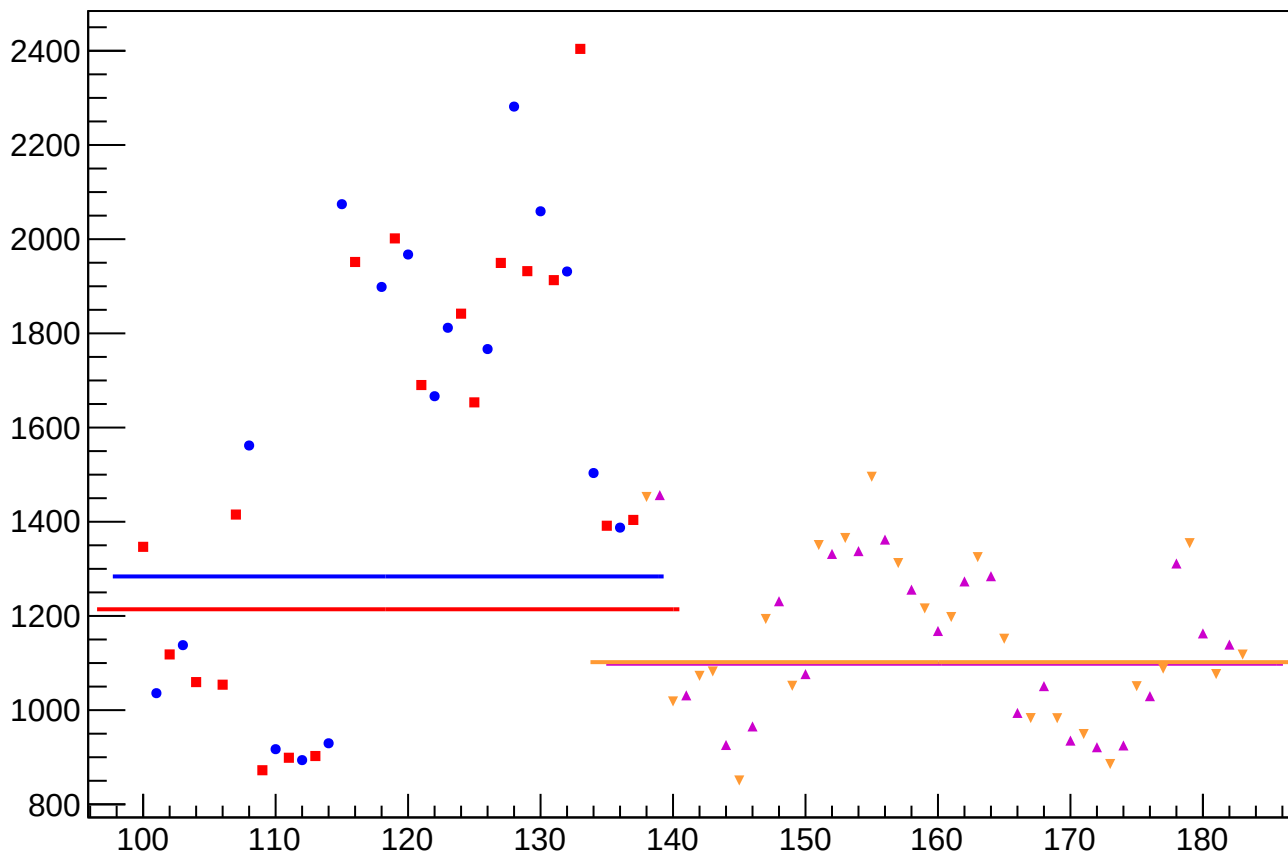
Right: 425.670 $\pm$ 354.851 χ^2 /NDF: 38.4/35

In: 199.763 $\pm$ 238.850 χ^2 /NDF:49.7/38

Out: -798.831 $\pm$ 229.985 χ^2 /NDF:82.0/42

All: -318.409 $\pm$ 165.669 χ^2 /NDF: 140.8/81

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.882 $\pm$ 0.371 χ^2 /NDF: 1171665.2/16

Left Out: 1101.894 $\pm$ 0.185 χ^2 /NDF: 810453.1/23

Right Out: 1214.162 $\pm$ 0.341 χ^2 /NDF: 1360853.5/18

Left In: 1098.506 $\pm$ 0.190 χ^2 /NDF: 677700.0/21

Left: 1100.241 $\pm$ 0.132 χ^2 /NDF: 1488316.5/45

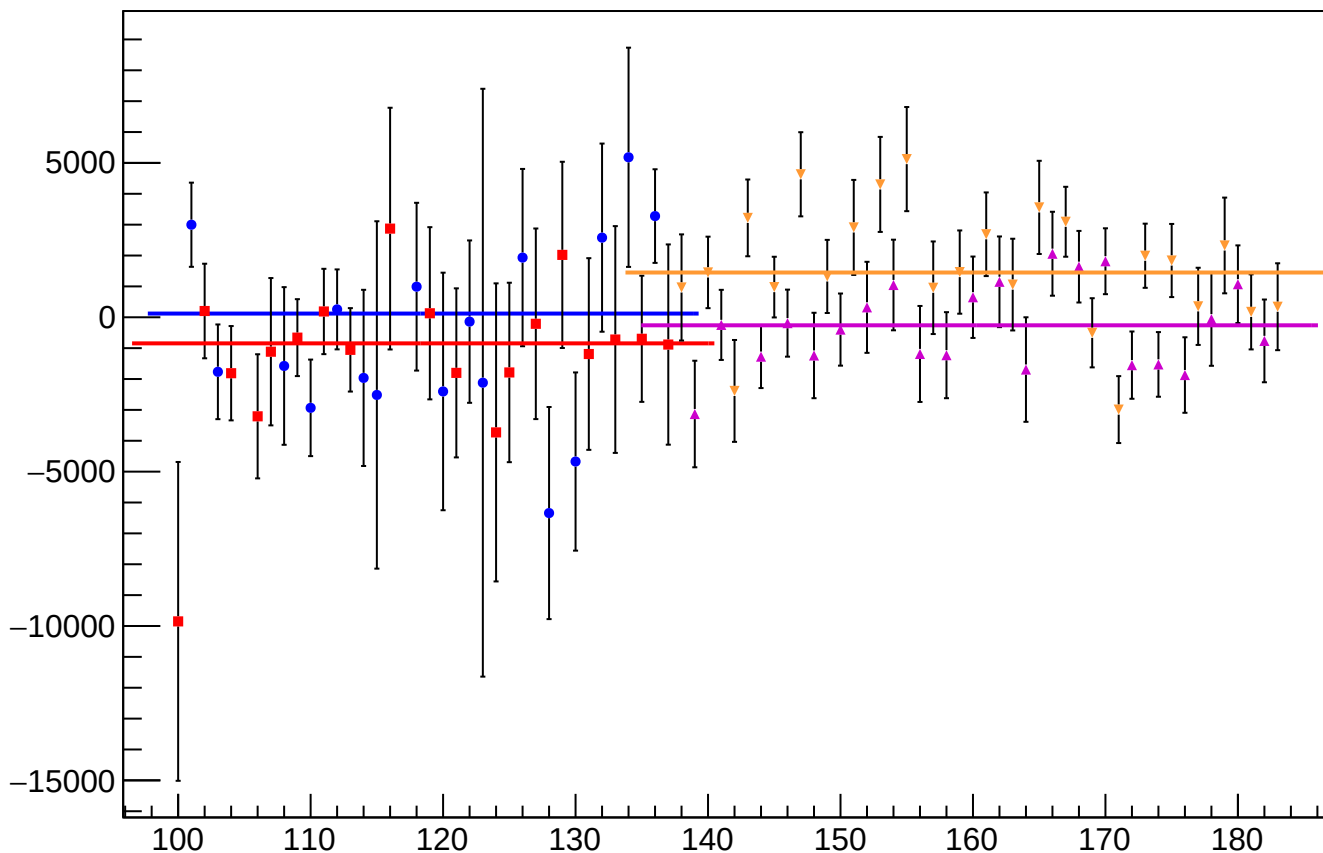
Right: 1246.027 $\pm$ 0.251 χ^2 /NDF: 2551678.0/35

In: 1136.892 $\pm$ 0.169 χ^2 /NDF: 2047171.5/38

Out: 1127.499 $\pm$ 0.163 χ^2 /NDF: 2255211.6/42

All: 1132.018 $\pm$ 0.117 χ^2 /NDF: 4303987.9/81

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 120.212 $\pm$ 528.305 χ^2 /NDF: 25.3/16

Left Out: 1449.941 $\pm$ 264.289 χ^2 /NDF: 50.4/23

Right Out: -845.039 $\pm$ 485.264 χ^2 /NDF: 8.5/18

Left In: -260.157 $\pm$ 270.822 χ^2 /NDF: 23.4/21

Left: 615.768 $\pm$ 189.148 χ^2 /NDF: 94.2/45

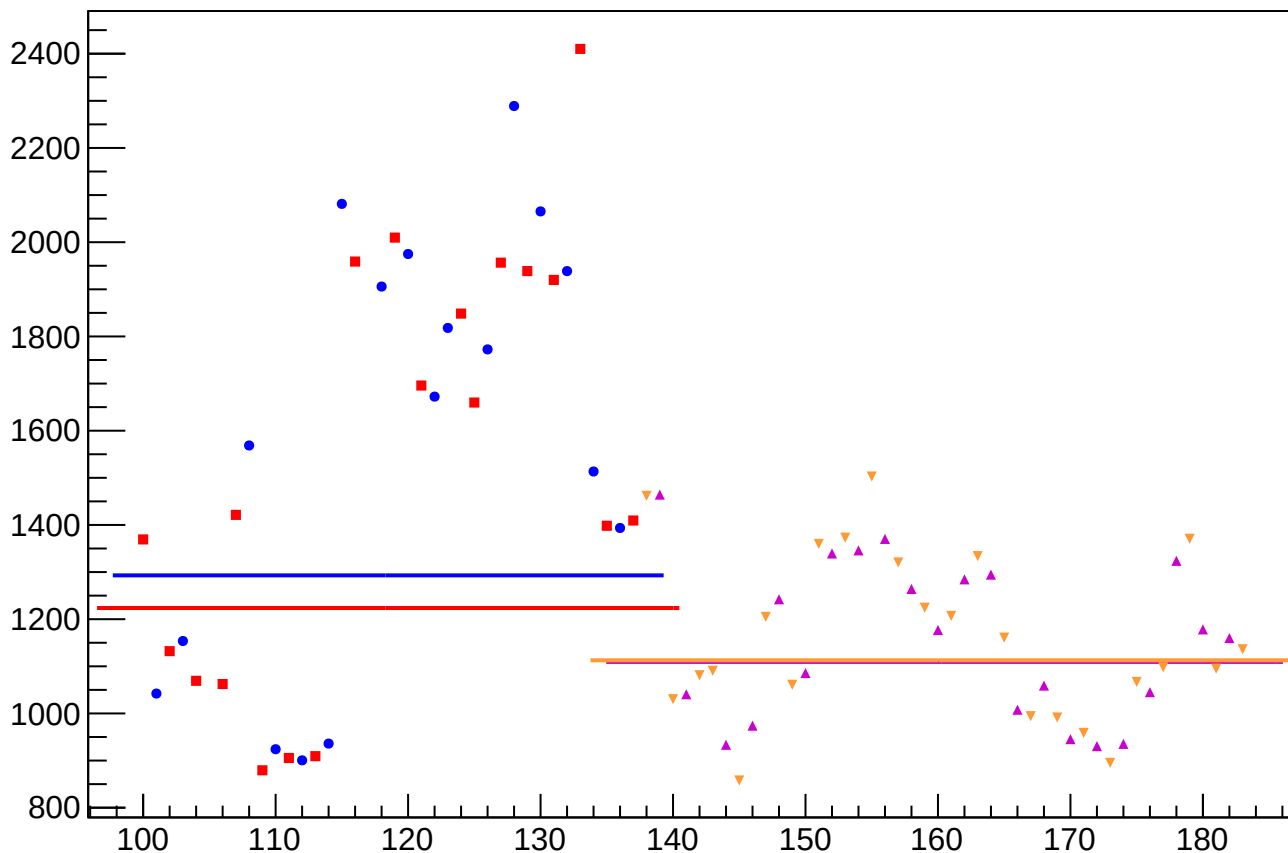
Right: -403.329 $\pm$ 357.382 χ^2 /NDF: 35.6/35

In: -181.003 $\pm$ 241.001 χ^2 /NDF: 49.1/38

Out: 924.932 $\pm$ 232.098 χ^2 /NDF: 76.1/42

All: 392.769 $\pm$ 167.177 χ^2 /NDF: 136.2/81

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.993 $\pm$ 0.374 χ^2/NDF : 1158775.5/16

Left Out: 1112.760 $\pm$ 0.187 χ^2/NDF : 798415.1/23

Right Out: 1223.713 $\pm$ 0.343 χ^2/NDF : 1345807.4/18

Left In: 1109.325 $\pm$ 0.192 χ^2/NDF : 667145.0/21

Left: 1111.085 $\pm$ 0.134 χ^2/NDF : 1465724.9/45

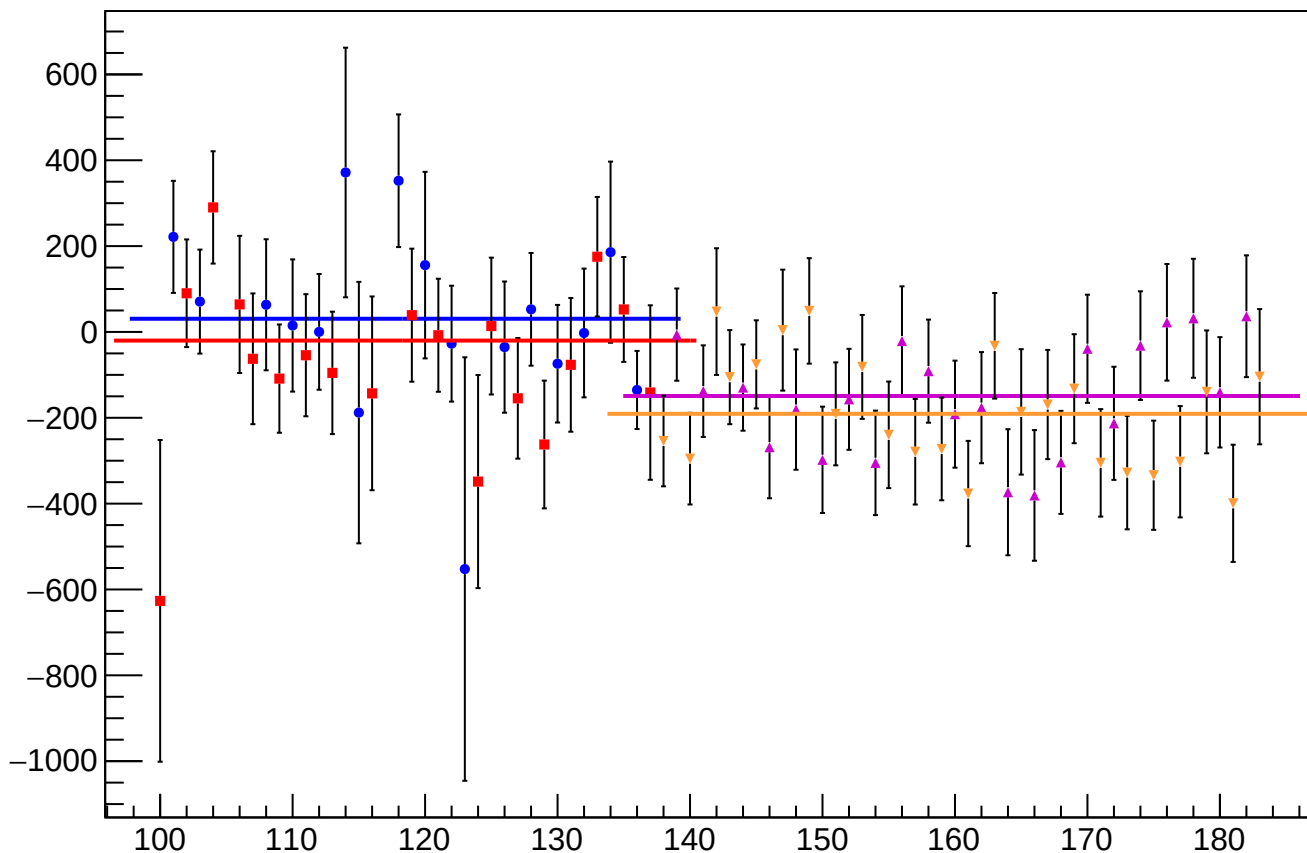
Right: 1255.416 $\pm$ 0.253 χ^2/NDF : 2523237.8/35

In: 1147.546 $\pm$ 0.170 χ^2/NDF : 2017345.3/38

Out: 1138.142 $\pm$ 0.164 χ^2/NDF : 2224859.5/42

All: 1142.667 $\pm$ 0.118 χ^2/NDF : 4243784.7/81

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 30.740 ± 36.437 $\chi^2/\text{NDF}: 15.2/16$

Left Out: -190.755 ± 25.442 $\chi^2/\text{NDF}: 24.3/23$

Right Out: -20.110 ± 34.774 $\chi^2/\text{NDF}: 18.8/18$

Left In: -149.219 ± 26.601 $\chi^2/\text{NDF}: 20.5/21$

Left: -170.912 ± 18.386 $\chi^2/\text{NDF}: 46.2/45$

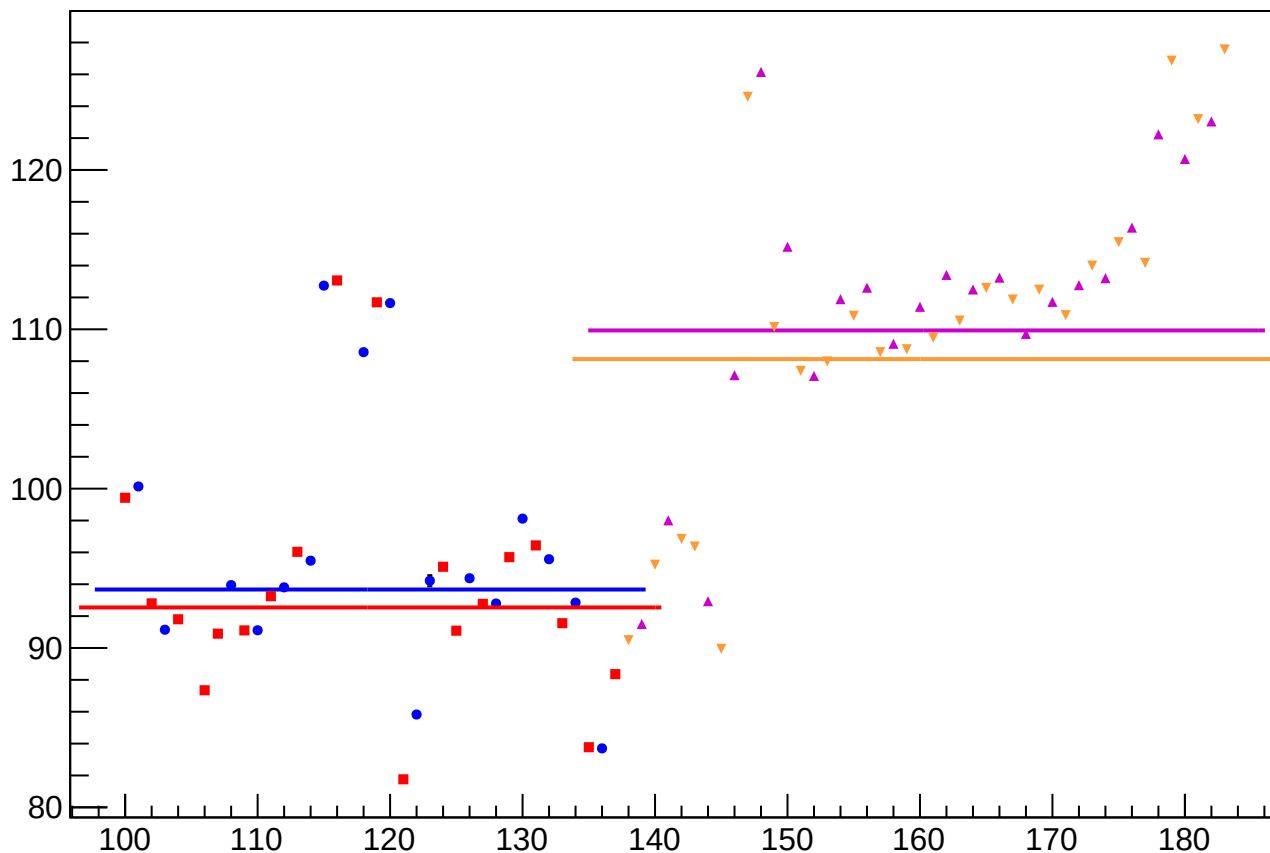
Right: 4.129 ± 25.156 $\chi^2/\text{NDF}: 35.0/35$

In: -86.652 ± 21.485 $\chi^2/\text{NDF}: 51.7/38$

Out: -131.260 ± 20.533 $\chi^2/\text{NDF}: 58.8/42$

All: -109.966 ± 14.844 $\chi^2/\text{NDF}: 112.7/81$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.670 $\pm$ 0.026 χ^2 /NDF: 79871.5/16

Left Out: 108.130 $\pm$ 0.018 χ^2 /NDF: 323350.9/23

Right Out: 92.545 $\pm$ 0.025 χ^2 /NDF: 78872.3/18

Left In: 109.929 $\pm$ 0.019 χ^2 /NDF: 232559.9/21

Left: 108.989 $\pm$ 0.013 χ^2 /NDF: 560690.0/45

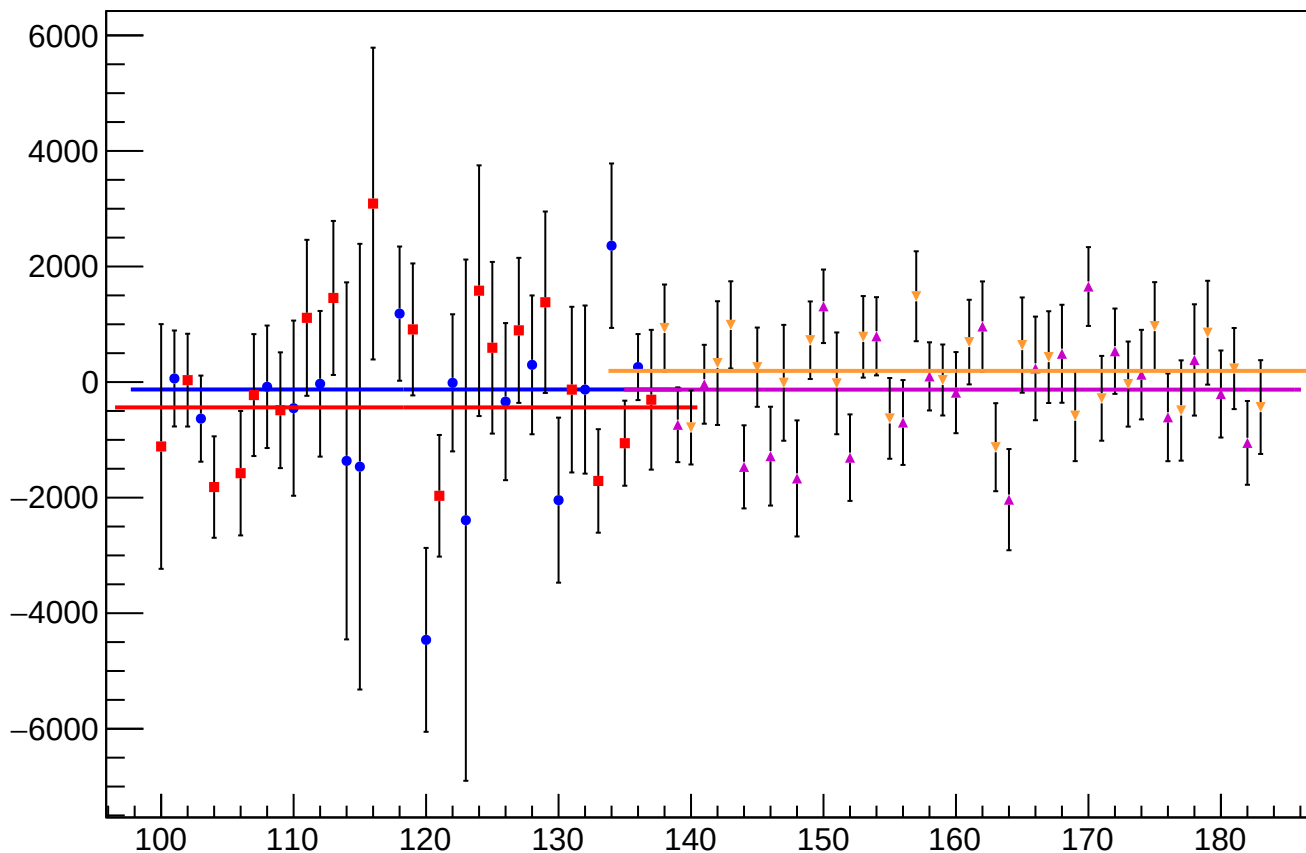
Right: 93.081 $\pm$ 0.018 χ^2 /NDF: 159742.9/35

In: 104.276 $\pm$ 0.015 χ^2 /NDF: 572194.5/38

Out: 102.696 $\pm$ 0.015 χ^2 /NDF: 663884.9/42

All: 103.450 $\pm$ 0.010 χ^2 /NDF: 1241734.9/81

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -127.998 ± 277.067 $\chi^2/\text{NDF}: 15.3/16$

Left Out: 193.765 ± 155.024 $\chi^2/\text{NDF}: 18.2/23$

Right Out: -438.094 ± 260.694 $\chi^2/\text{NDF}: 19.2/18$

Left In: -130.707 ± 158.653 $\chi^2/\text{NDF}: 36.2/21$

Left: 35.283 ± 110.879 $\chi^2/\text{NDF}: 56.5/45$

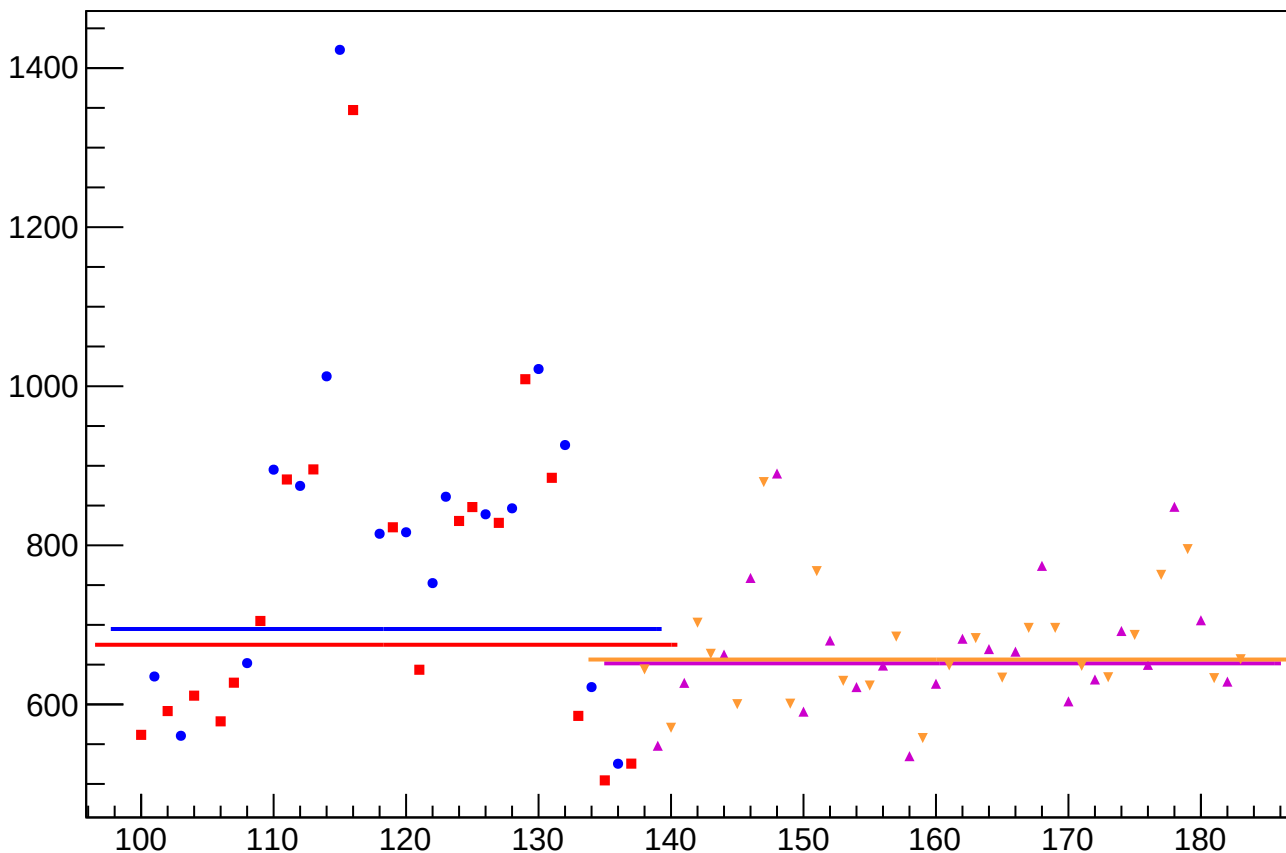
Right: -292.479 ± 189.863 $\chi^2/\text{NDF}: 35.2/35$

In: -130.038 ± 137.679 $\chi^2/\text{NDF}: 51.5/38$

Out: 28.699 ± 133.245 $\chi^2/\text{NDF}: 41.8/42$

All: -48.072 ± 95.747 $\chi^2/\text{NDF}: 93.9/81$

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 694.803+/-0.196 χ^2/NDF : 677838.4/16

Left Out: 656.424+/-0.110 χ^2/NDF : 359575.7/23

Right Out: 674.986+/-0.184 χ^2/NDF : 679698.0/18

Left In: 651.617+/-0.112 χ^2/NDF : 463840.0/21

Left: 654.076+/-0.078 χ^2/NDF : 824354.8/45

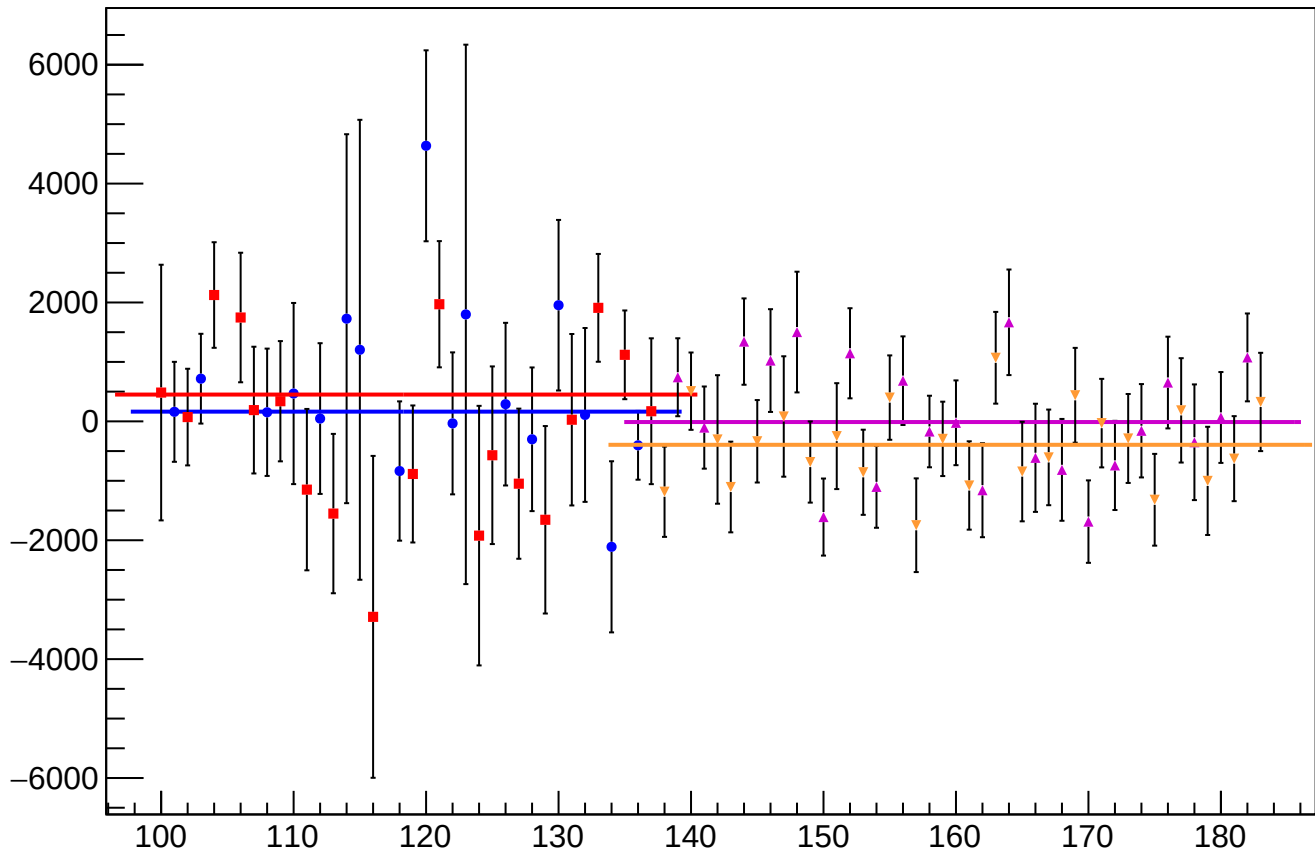
Right: 684.291+/-0.134 χ^2/NDF : 1362963.3/35

In: 662.281+/-0.097 χ^2/NDF : 1178269.8/38

Out: 661.273+/-0.094 χ^2/NDF : 1046764.7/42

All: 661.760+/-0.068 χ^2/NDF : 2225089.8/81

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 163.513 $\pm$ 279.836 χ^2 /NDF: 14.7/16

Left Out: -394.372 $\pm$ 157.231 χ^2 /NDF:18.3/23

Right Out: 450.889 $\pm$ 263.386 χ^2 /NDF: 22.5/18

Left In: -11.432 $\pm$ 161.011 χ^2 /NDF:37.2/21

Left: -207.449 $\pm$ 112.492 χ^2 /NDF: 58.4/45

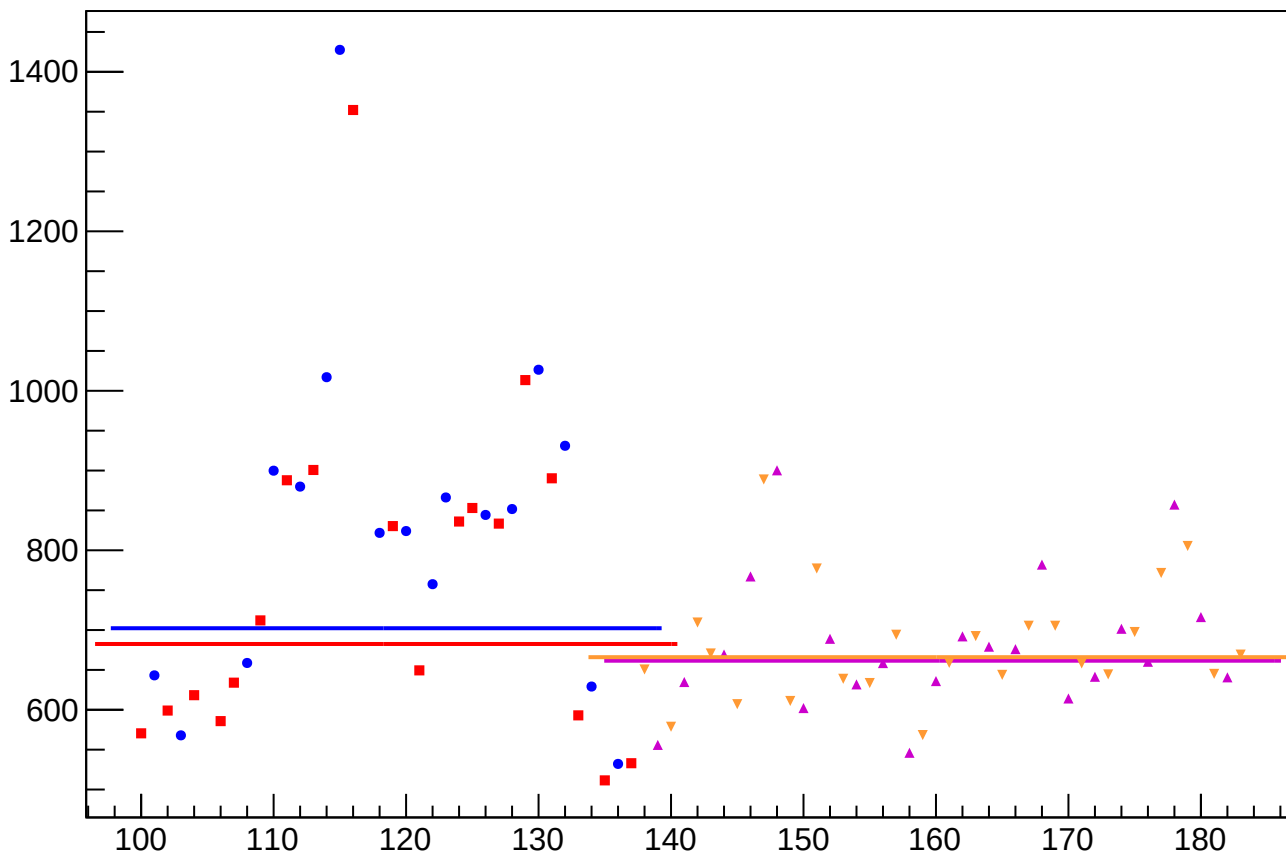
Right: 315.895 $\pm$ 191.794 χ^2 /NDF: 37.8/35

In: 32.080 $\pm$ 139.559 χ^2 /NDF:52.2/38

Out: -172.294 $\pm$ 135.005 χ^2 /NDF:48.4/42

All: -73.496 $\pm$ 97.033 χ^2 /NDF: 101.7/81

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.265 $\pm$ 0.198 χ^2 /NDF: 660691.4/16

Left Out: 665.963 $\pm$ 0.111 χ^2 /NDF: 350291.1/23

Right Out: 682.505 $\pm$ 0.186 χ^2 /NDF: 662840.9/18

Left In: 661.539 $\pm$ 0.114 χ^2 /NDF: 447425.2/21

Left: 663.804 $\pm$ 0.080 χ^2 /NDF: 798489.1/45

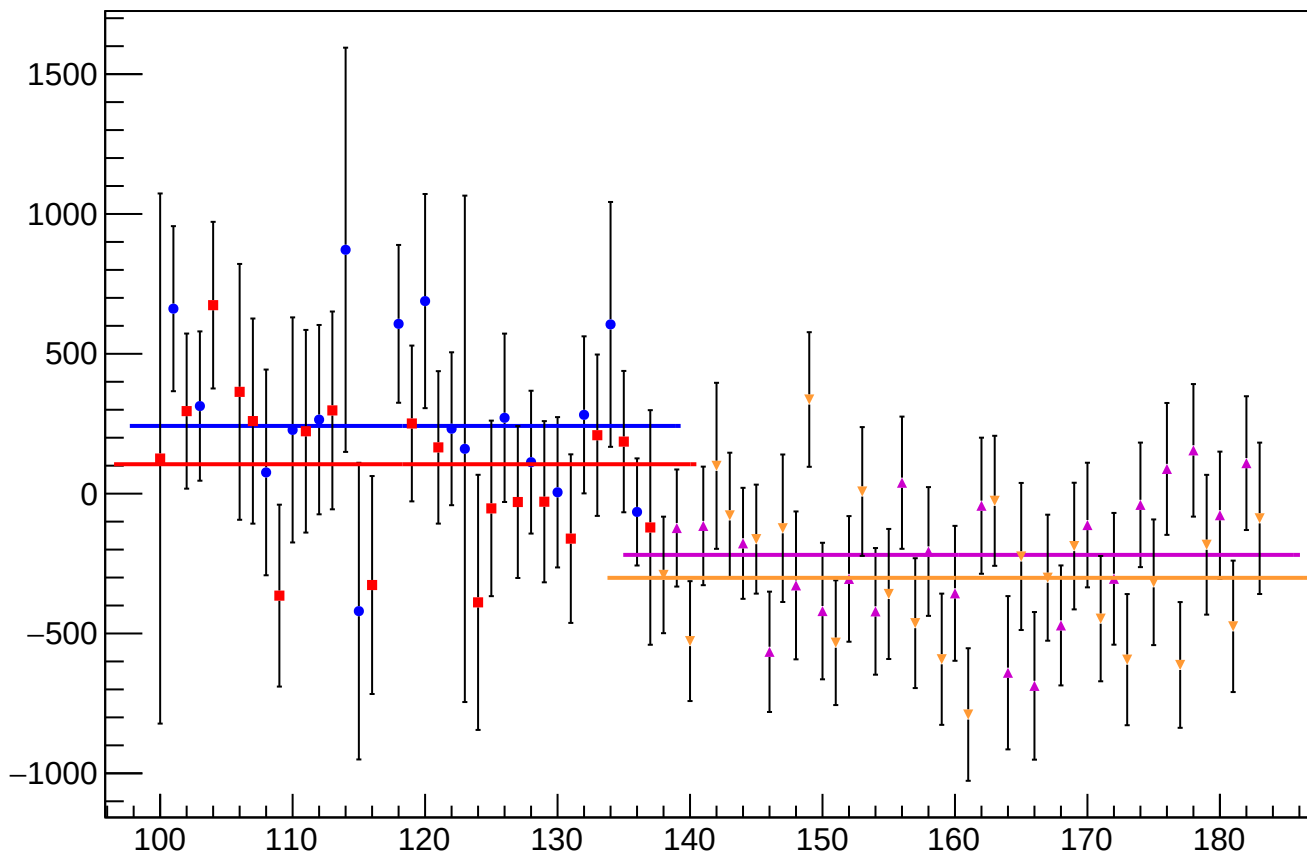
Right: 691.788 $\pm$ 0.136 χ^2 /NDF: 1328820.1/35

In: 671.669 $\pm$ 0.099 χ^2 /NDF: 1139941.9/38

Out: 670.309 $\pm$ 0.095 χ^2 /NDF: 1018948.6/42

All: 670.966 $\pm$ 0.069 χ^2 /NDF: 2158988.5/81

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 242.121 $\pm$ 76.105 χ^2 /NDF: 12.0/16

Left Out: -301.058 $\pm$ 47.474 χ^2 /NDF:28.2/23

Right Out: 105.190 $\pm$ 74.426 χ^2 /NDF: 11.8/18

Left In: -218.958 $\pm$ 49.166 χ^2 /NDF:21.3/21

Left: -261.444 $\pm$ 34.152 χ^2 /NDF: 50.9/45

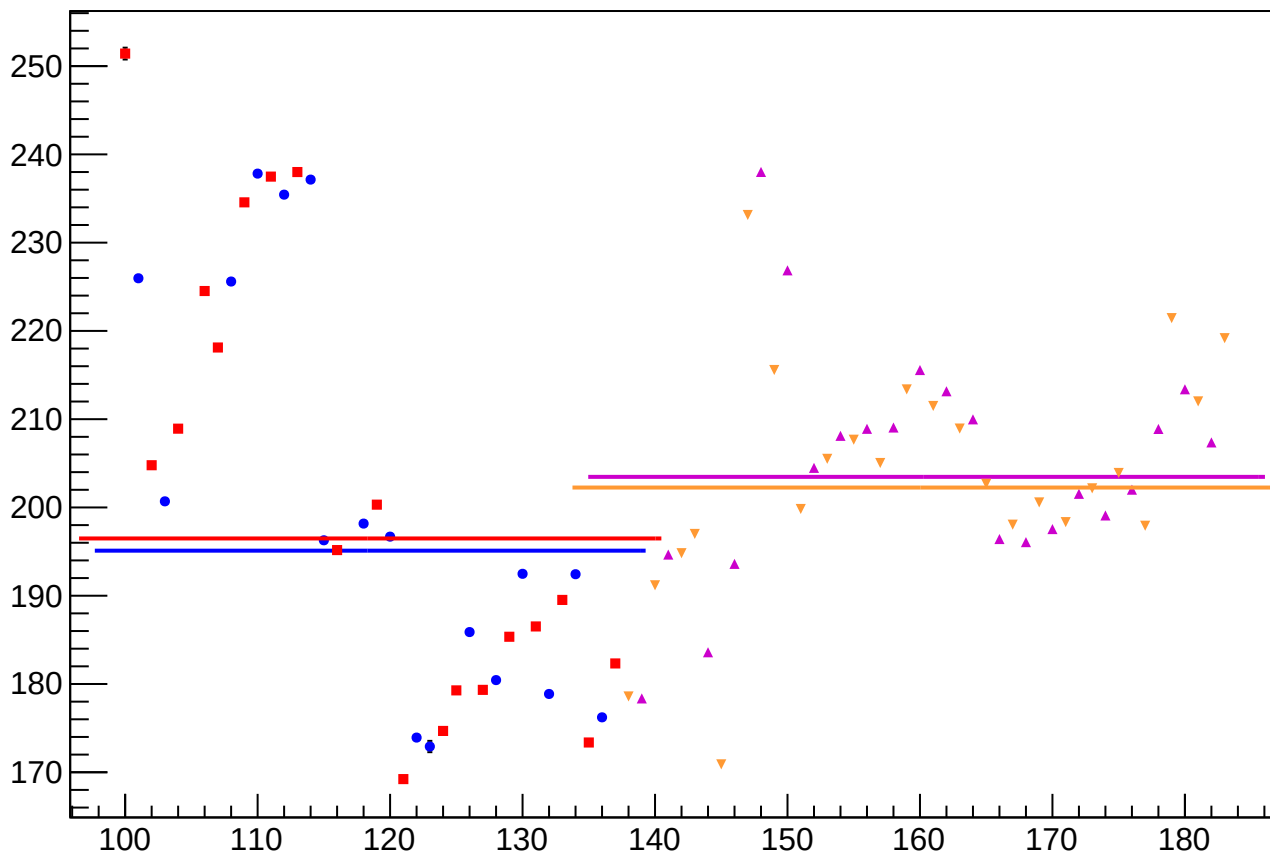
Right: 172.128 $\pm$ 53.211 χ^2 /NDF: 25.5/35

In: -83.189 $\pm$ 41.298 χ^2 /NDF:59.2/38

Out: -183.568 $\pm$ 40.025 χ^2 /NDF:61.2/42

All: -134.949 $\pm$ 28.741 χ^2 /NDF: 123.4/81

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 195.104 $\pm$ 0.054 χ^2/NDF : 142538.2/16

Left Out: 202.256 $\pm$ 0.034 χ^2/NDF :155384.7/23

Right Out: 196.488 $\pm$ 0.053 χ^2/NDF : 171375.7/18

Left In: 203.466 $\pm$ 0.035 χ^2/NDF :133005.1/21

Left: 202.840 $\pm$ 0.024 χ^2/NDF : 289016.8/45

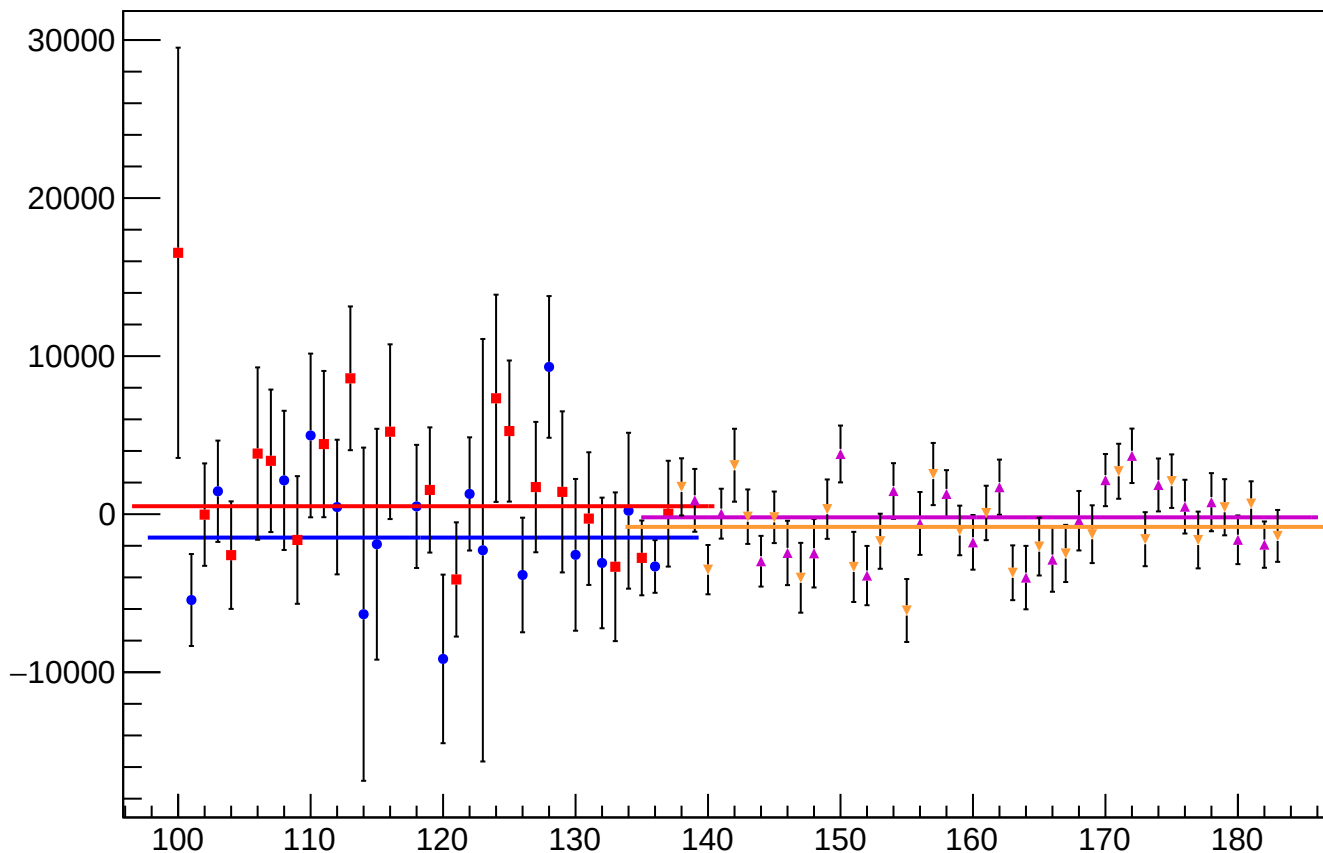
Right: 195.811 $\pm$ 0.038 χ^2/NDF : 314251.6/35

In: 201.004 $\pm$ 0.029 χ^2/NDF :292576.2/38

Out: 200.588 $\pm$ 0.028 χ^2/NDF :335299.2/42

All: 200.789 $\pm$ 0.020 χ^2/NDF : 627980.1/81

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1480.760+/-912.560 χ^2/NDF : 16.0/16

Left Out: -804.744+/-361.570 χ^2/NDF : 35.7/23

Right Out: 503.732+/-936.543 χ^2/NDF : 14.7/18

Left In: -198.448+/-374.440 χ^2/NDF : 35.1/21

Left: -512.195+/-260.099 χ^2/NDF : 72.1/45

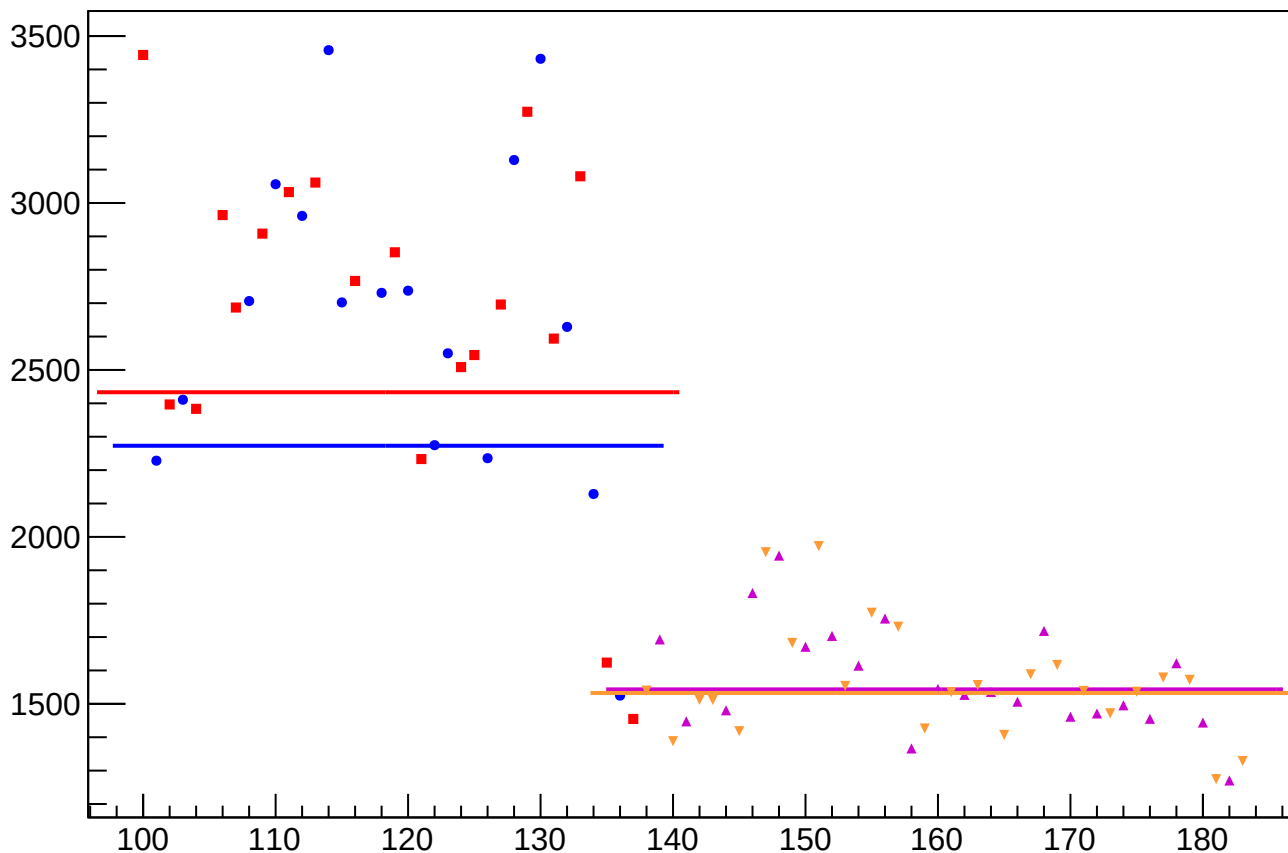
Right: -514.248+/-653.591 χ^2/NDF : 33.0/35

In: -383.230+/-346.413 χ^2/NDF : 52.8/38

Out: -635.015+/-337.305 χ^2/NDF : 52.1/42

All: -512.476+/-241.666 χ^2/NDF : 105.2/81

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.950+/-0.645 χ^2/NDF : 806901.4/16

Left Out: 1532.596+/-0.256 χ^2/NDF : 369008.1/23

Right Out: 2433.249+/-0.662 χ^2/NDF : 682781.3/18

Left In: 1543.306+/-0.265 χ^2/NDF : 323583.3/21

Left: 1537.763+/-0.184 χ^2/NDF : 693438.1/45

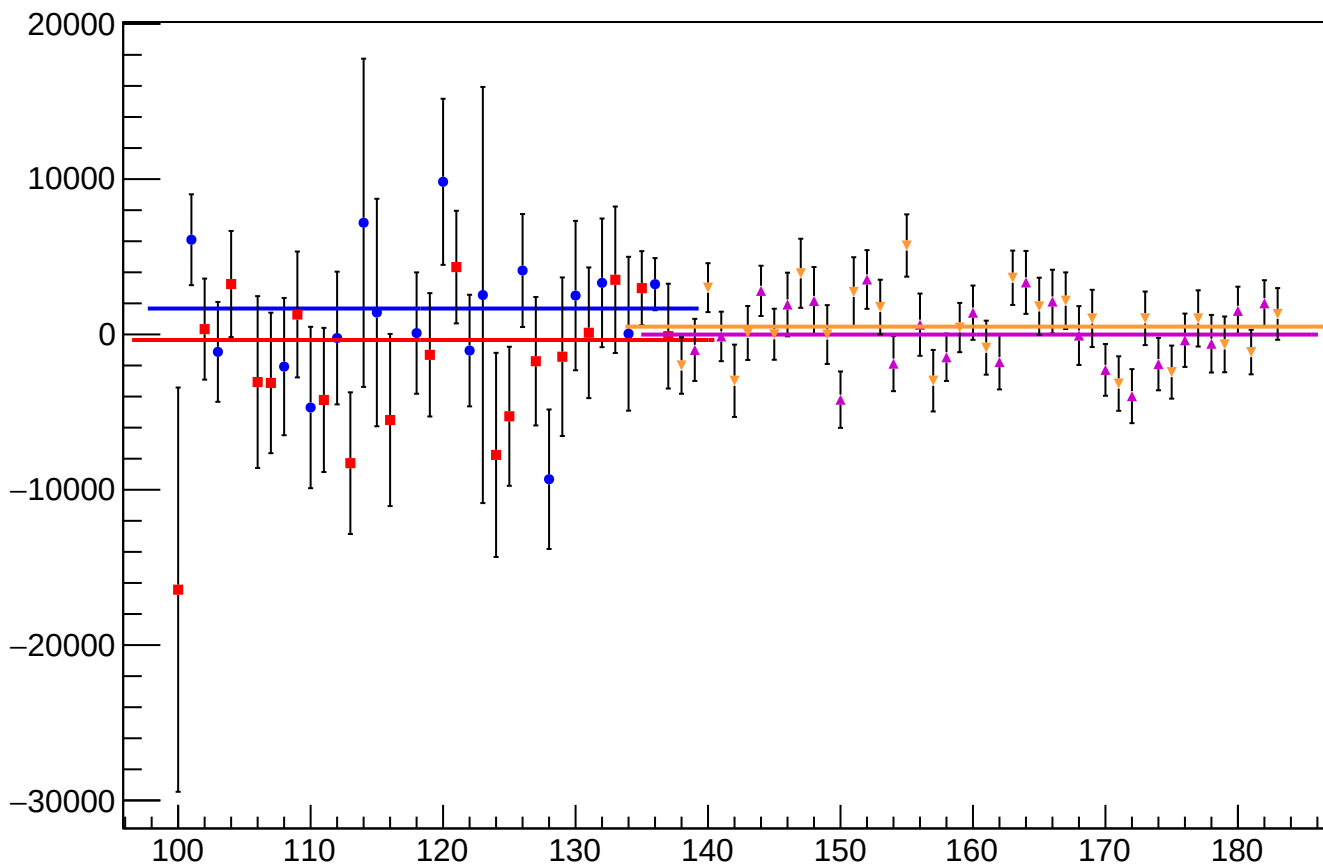
Right: 2351.021+/-0.462 χ^2/NDF : 1519738.5/35

In: 1648.448+/-0.245 χ^2/NDF : 2224826.1/38

Out: 1649.424+/-0.239 χ^2/NDF : 2661515.0/42

All: 1648.949+/-0.171 χ^2/NDF : 4886349.2/81

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1668.629 $\pm$ 916.594 χ^2 /NDF: 16.4/16

Left Out: 503.259 $\pm$ 364.878 χ^2 /NDF:35.4/23

Right Out: -358.685 $\pm$ 940.367 χ^2 /NDF: 15.1/18

Left In: -8.025 $\pm$ 377.844 χ^2 /NDF:32.9/21

Left: 256.539 $\pm$ 262.472 χ^2 /NDF: 69.2/45

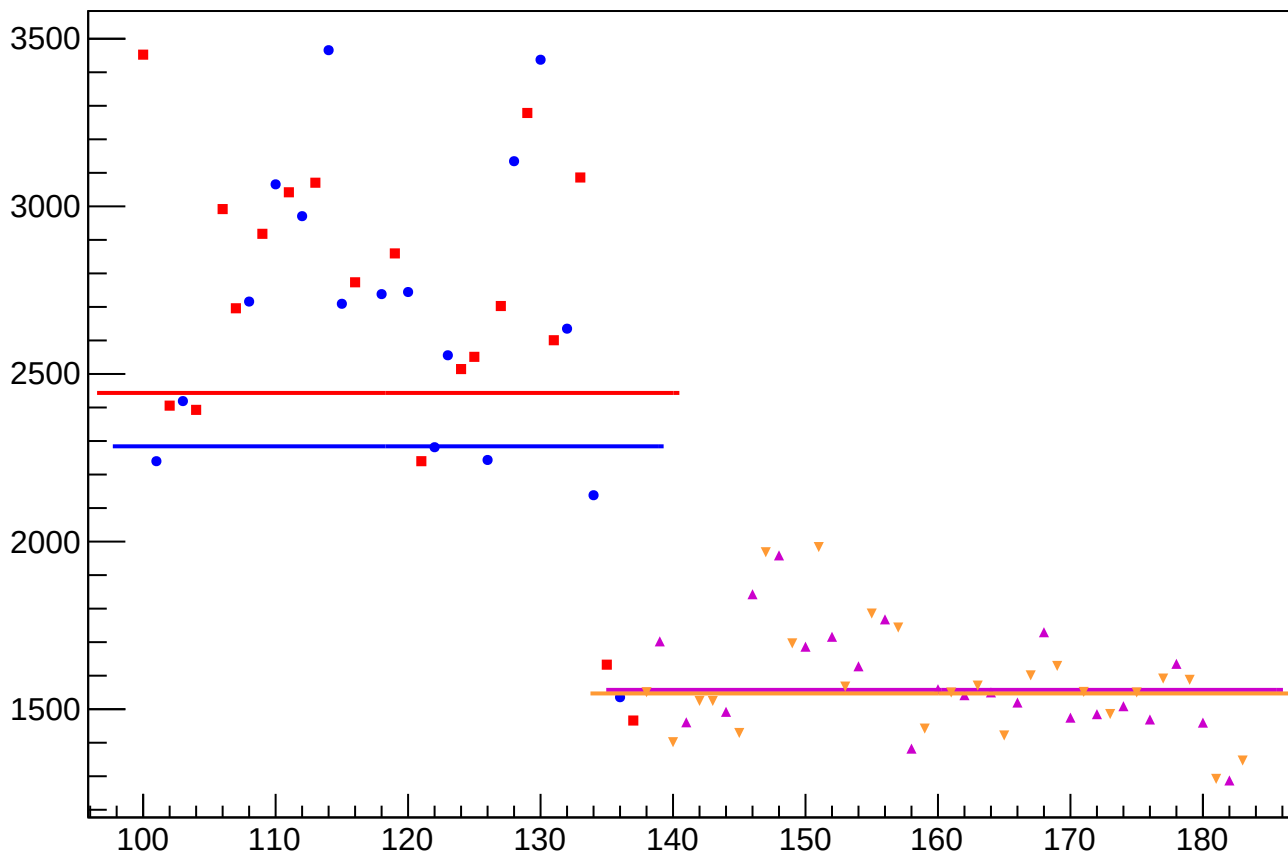
Right: 680.922 $\pm$ 656.373 χ^2 /NDF: 33.9/35

In: 235.506 $\pm$ 349.327 χ^2 /NDF:52.2/38

Out: 390.468 $\pm$ 340.168 χ^2 /NDF:51.2/42

All: 315.045 $\pm$ 243.709 χ^2 /NDF: 103.4/81

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.187 $\pm$ 0.648 χ^2 /NDF: 795230.1/16

Left Out: 1546.967 $\pm$ 0.258 χ^2 /NDF:357826.9/23

Right Out: 2443.443 $\pm$ 0.665 χ^2 /NDF: 674891.8/18

Left In: 1557.640 $\pm$ 0.267 χ^2 /NDF:313767.9/21

Left: 1552.117 $\pm$ 0.186 χ^2 /NDF: 672420.6/45

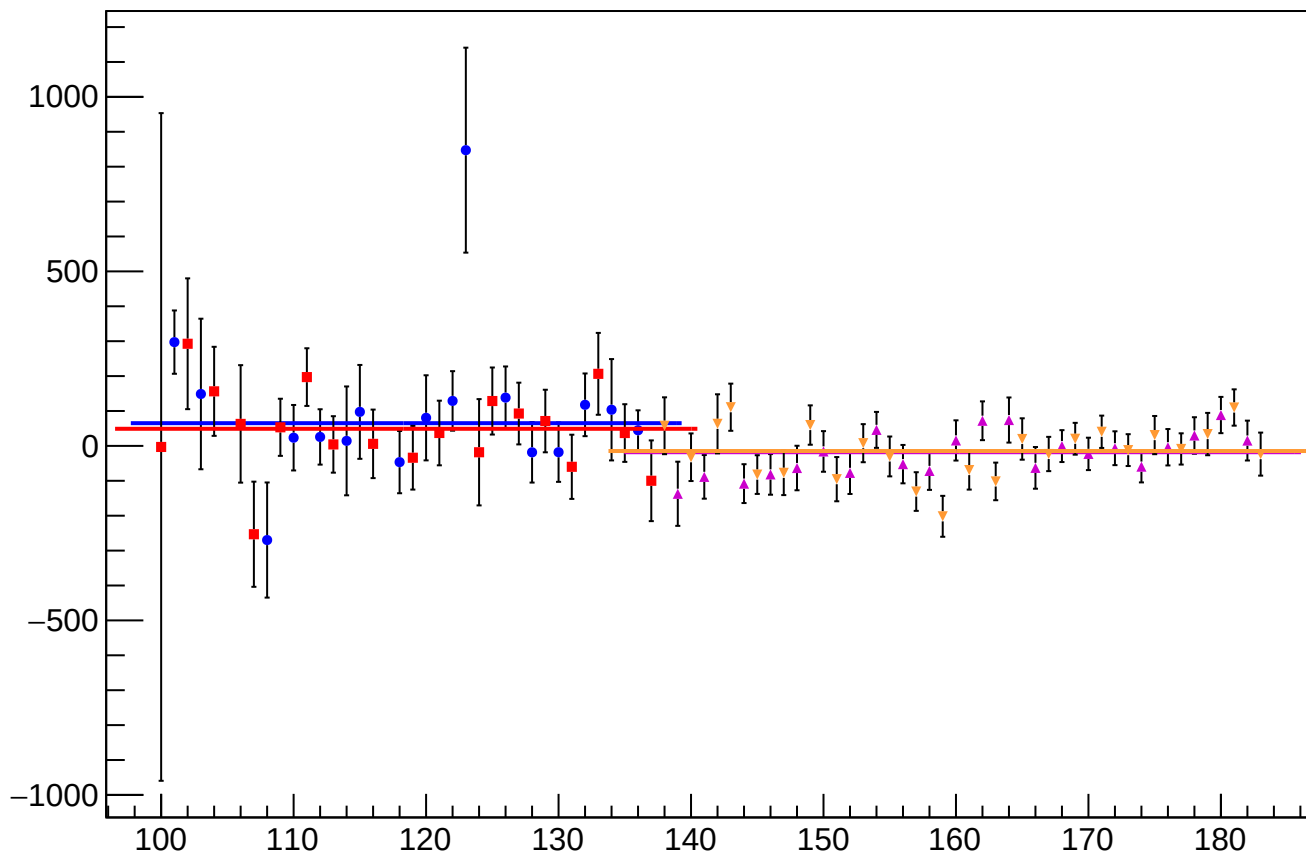
Right: 2361.777 $\pm$ 0.464 χ^2 /NDF: 1499537.3/35

In: 1663.170 $\pm$ 0.247 χ^2 /NDF:2183096.3/38

Out: 1664.276 $\pm$ 0.241 χ^2 /NDF:2612530.1/42

All: 1663.737 $\pm$ 0.172 χ^2 /NDF: 4795636.7/81

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 65.082 $\pm$ 23.794 χ^2 /NDF: 23.8/16

Left Out: -14.713 $\pm$ 11.436 χ^2 /NDF:38.8/23

Right Out: 49.027 $\pm$ 23.731 χ^2 /NDF: 17.1/18

Left In: -18.113 $\pm$ 11.730 χ^2 /NDF:23.2/21

Left: -16.370 $\pm$ 8.188 χ^2 /NDF: 62.1/45

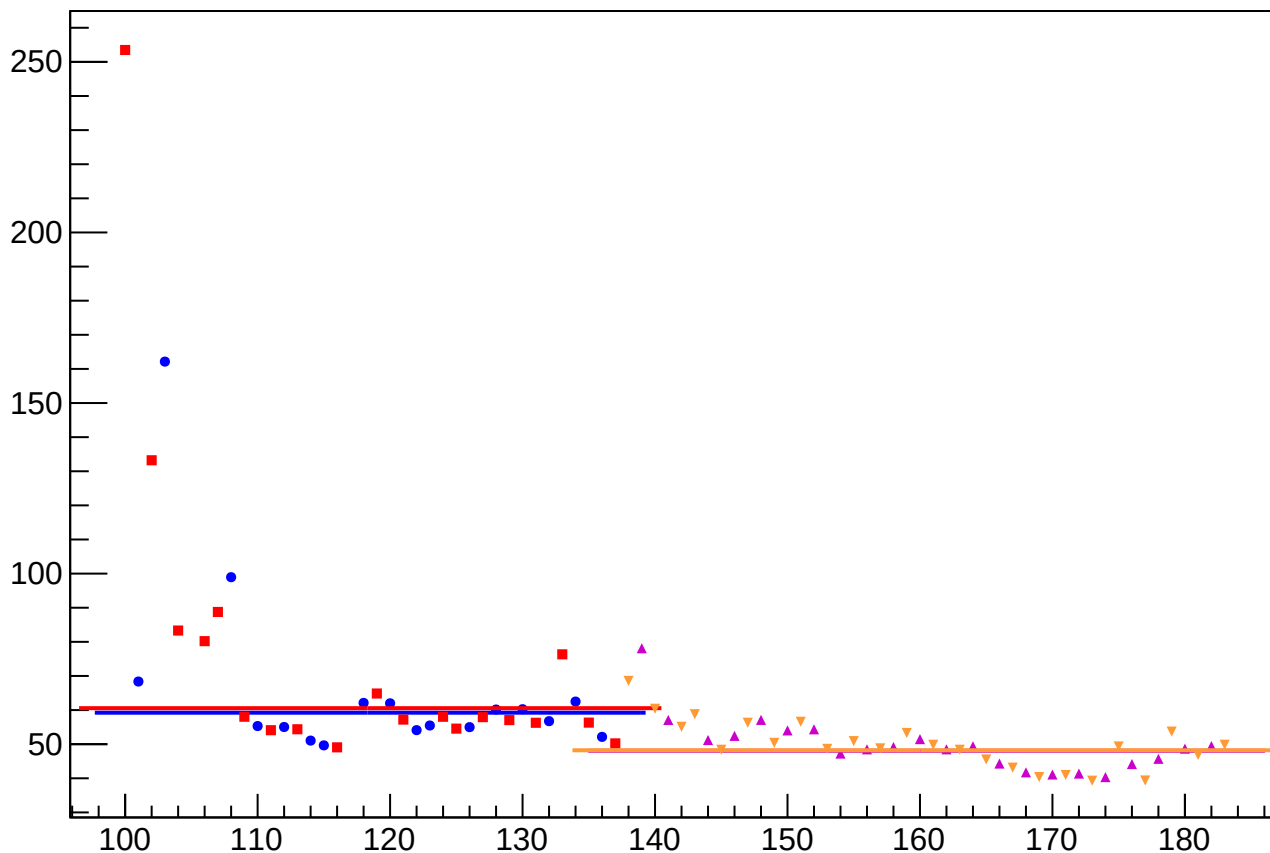
Right: 57.033 $\pm$ 16.803 χ^2 /NDF: 41.1/35

In: -1.847 $\pm$ 10.521 χ^2 /NDF:56.8/38

Out: -2.702 $\pm$ 10.302 χ^2 /NDF:61.8/42

All: -2.283 $\pm$ 7.361 χ^2 /NDF: 118.6/81

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.236+/-0.017 χ^2/NDF : 665304.8/16

Left Out: 48.216+/-0.008 χ^2/NDF : 650056.2/23

Right Out: 60.558+/-0.017 χ^2/NDF : 678218.1/18

Left In: 48.070+/-0.008 χ^2/NDF : 569941.0/21

Left: 48.145+/-0.006 χ^2/NDF : 1220155.8/45

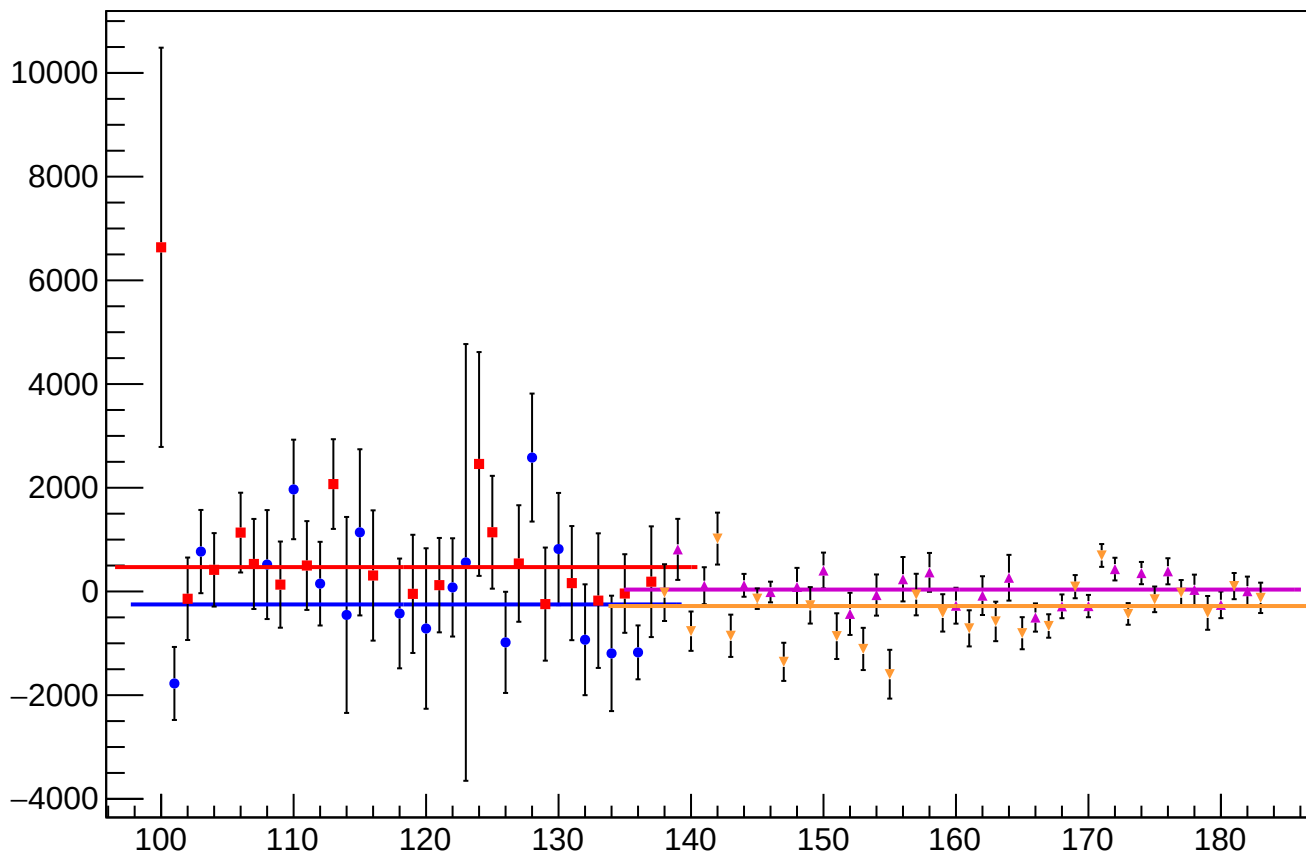
Right: 59.898+/-0.012 χ^2/NDF : 1346618.9/35

In: 50.253+/-0.007 χ^2/NDF : 1589558.8/38

Out: 50.542+/-0.007 χ^2/NDF : 1767276.6/42

All: 50.400+/-0.005 χ^2/NDF : 3357604.1/81

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.295+/-234.463 χ^2/NDF : 24.6/16

Left Out: -281.026+/-60.915 χ^2/NDF : 68.8/23

Right Out: 469.693+/-222.800 χ^2/NDF : 10.4/18

Left In: 36.395+/-60.881 χ^2/NDF : 23.5/21

Left: -122.227+/-43.061 χ^2/NDF : 105.9/45

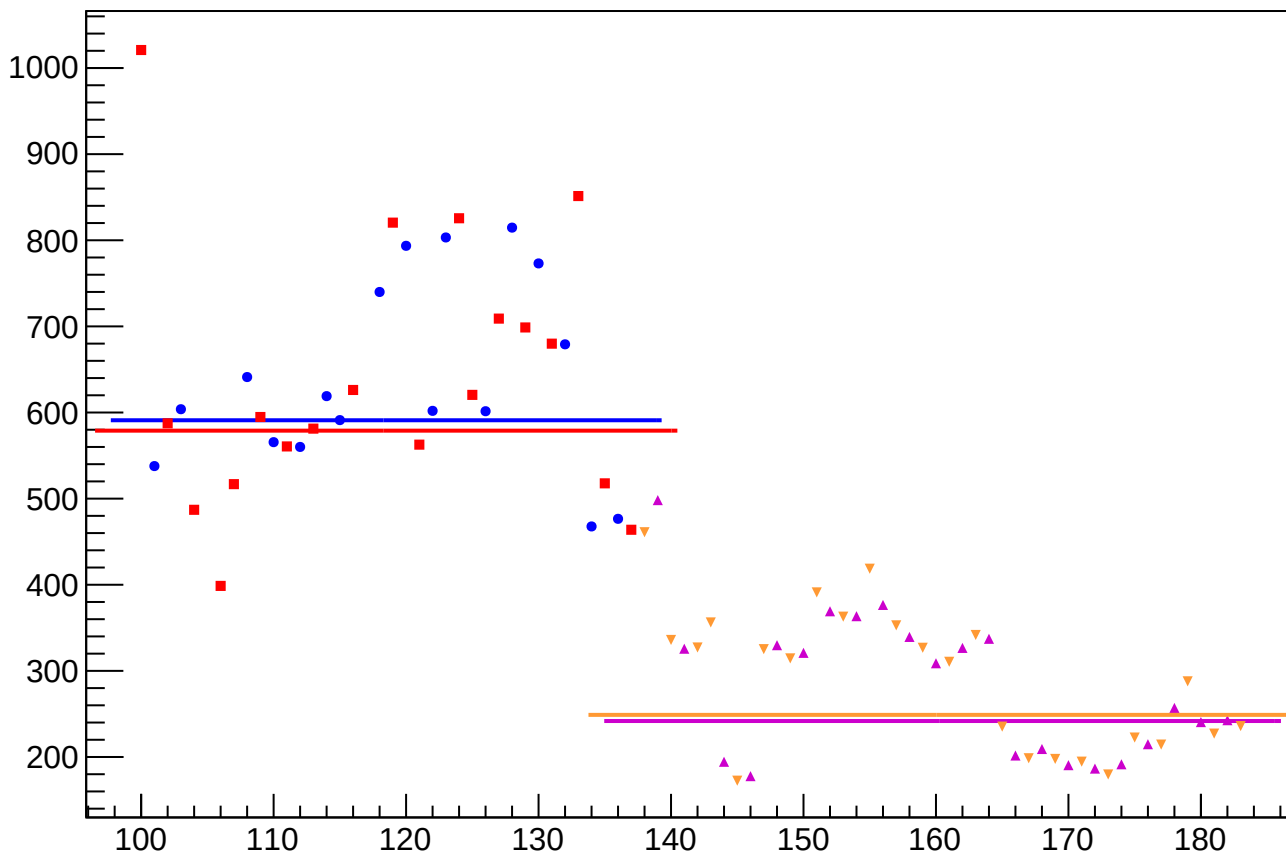
Right: 128.051+/-161.509 χ^2/NDF : 39.9/35

In: 18.286+/-58.927 χ^2/NDF : 49.5/38

Out: -228.812+/-58.758 χ^2/NDF : 89.7/42

All: -105.617+/-41.608 χ^2/NDF : 148.0/81

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 591.003+/-0.166 χ^2/NDF : 358207.6/16

Left Out: 248.918+/-0.043 χ^2/NDF : 2740256.8/23

Right Out: 578.937+/-0.158 χ^2/NDF : 496440.2/18

Left In: 241.766+/-0.043 χ^2/NDF : 2461608.5/21

Left: 245.340+/-0.030 χ^2/NDF : 5215658.2/45

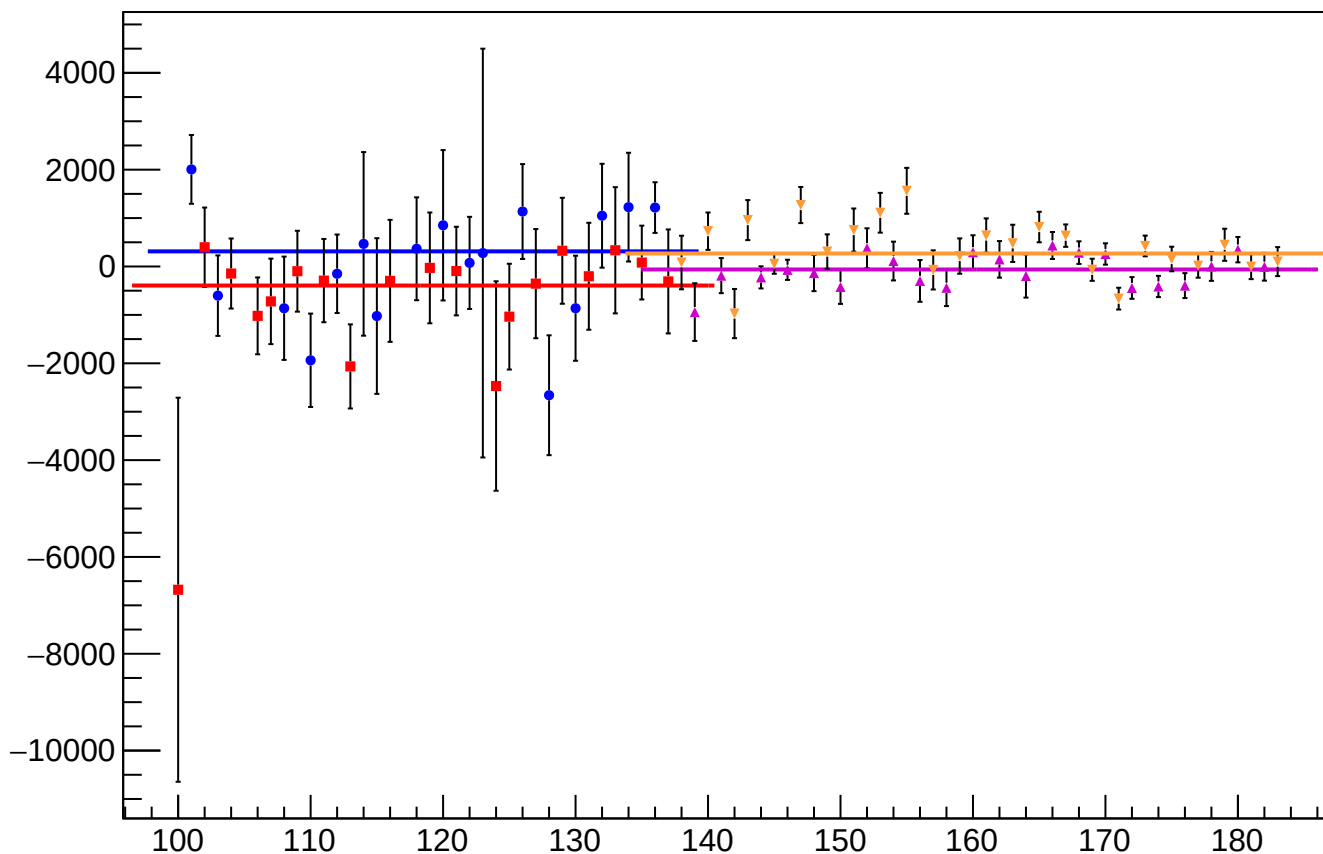
Right: 584.662+/-0.114 χ^2/NDF : 857430.8/35

In: 263.826+/-0.042 χ^2/NDF : 6976858.1/38

Out: 271.872+/-0.042 χ^2/NDF : 7319611.3/42

All: 267.860+/-0.029 χ^2/NDF : 14315166.0/83

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 312.362 $\pm$ 236.449 χ^2/NDF : 26.5/16

Left Out: 268.480 $\pm$ 62.163 χ^2/NDF : 61.9/23

Right Out: -393.265 $\pm$ 225.354 χ^2/NDF : 10.8/18

Left In: -61.569 $\pm$ 62.243 χ^2/NDF : 25.1/21

Left: 103.669 $\pm$ 43.984 χ^2/NDF : 101.1/45

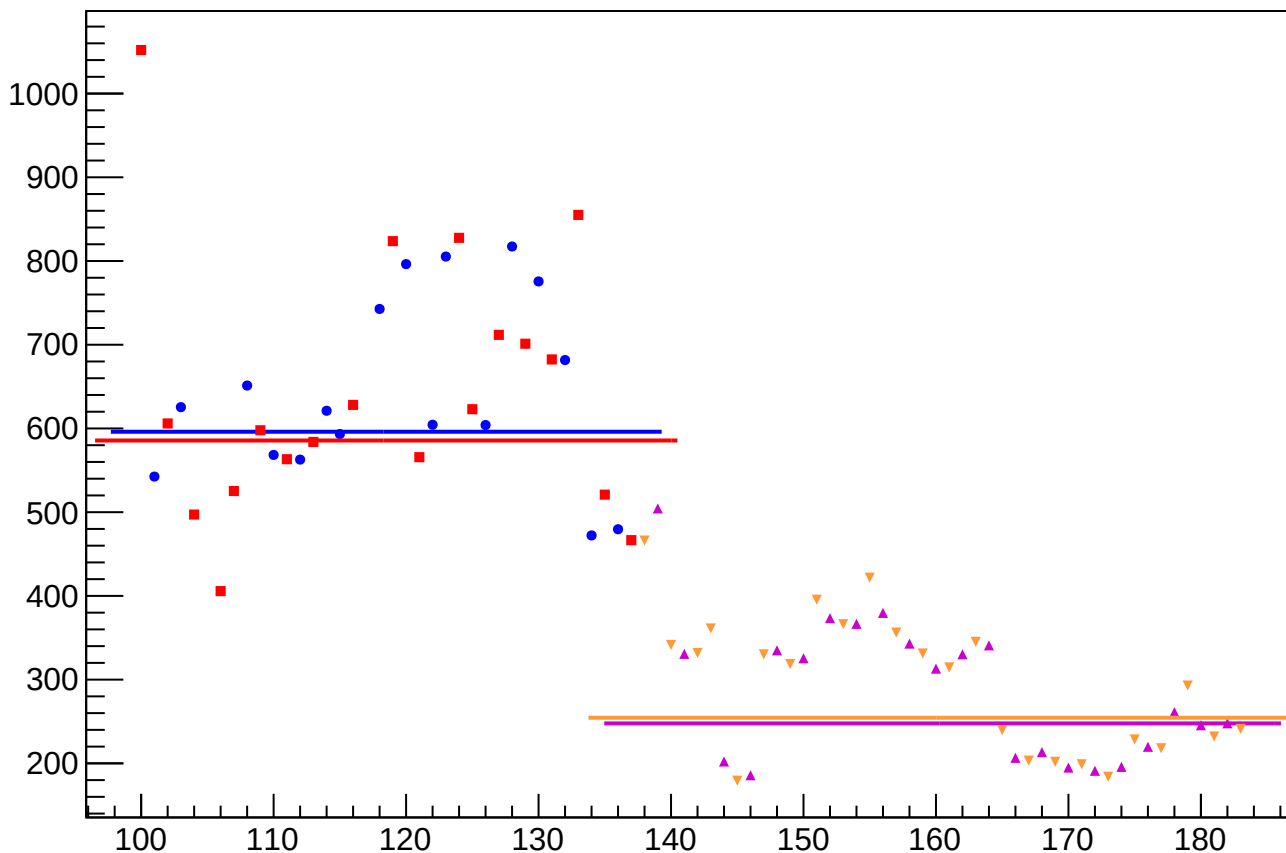
Right: -57.395 $\pm$ 163.130 χ^2/NDF : 42.0/35

In: -37.336 $\pm$ 60.193 χ^2/NDF : 54.0/38

Out: 221.688 $\pm$ 59.925 χ^2/NDF : 80.7/42

All: 92.753 $\pm$ 42.468 χ^2/NDF : 144.0/81

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 596.086 $\pm$ 0.167 χ^2 /NDF: 355935.3/16

Left Out: 254.482 $\pm$ 0.044 χ^2 /NDF: 2626636.2/23

Right Out: 585.628 $\pm$ 0.159 χ^2 /NDF: 476874.8/18

Left In: 247.722 $\pm$ 0.044 χ^2 /NDF: 2339105.3/21

Left: 251.106 $\pm$ 0.031 χ^2 /NDF: 4977553.1/45

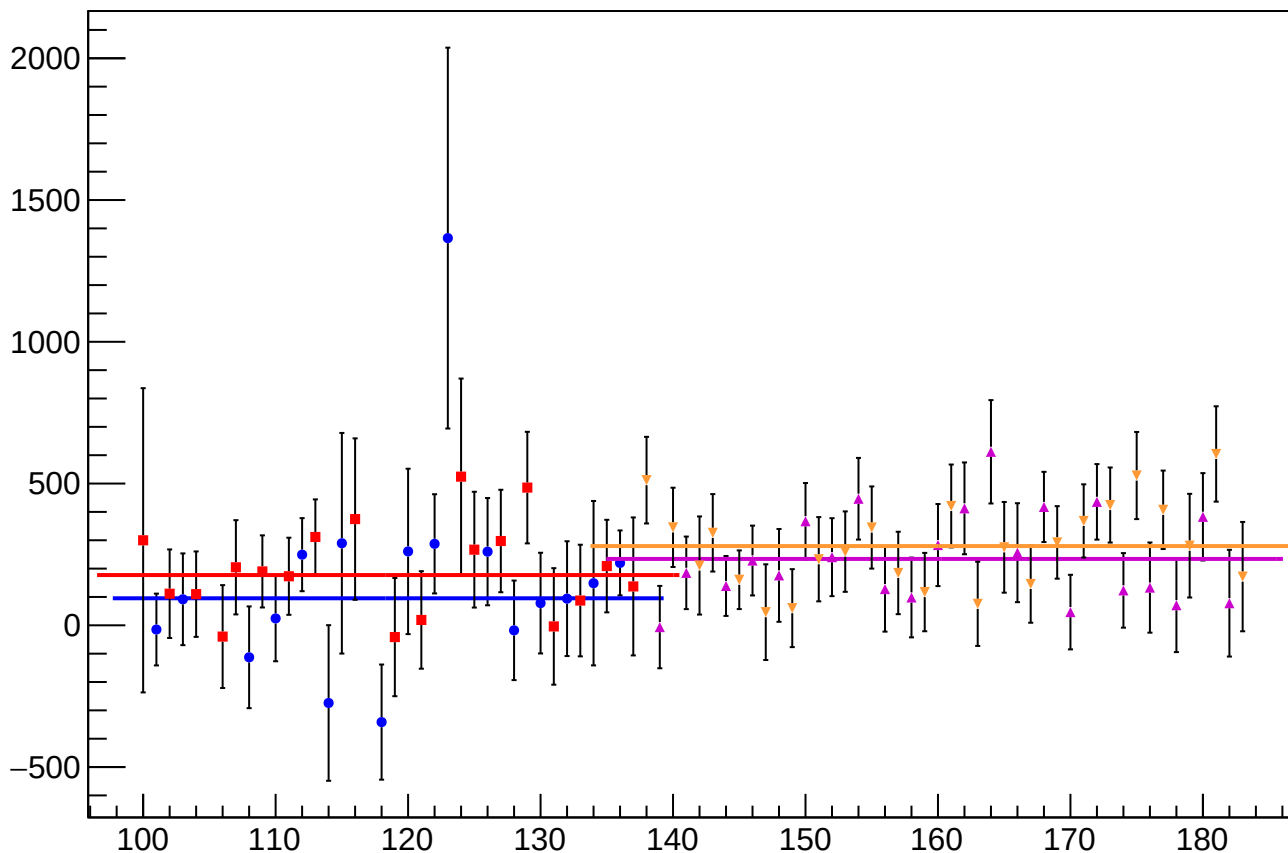
Right: 590.606 $\pm$ 0.115 χ^2 /NDF: 834860.2/35

In: 270.298 $\pm$ 0.043 χ^2 /NDF: 6755019.5/38

Out: 277.898 $\pm$ 0.042 χ^2 /NDF: 7116706.8/42

All: 274.115 $\pm$ 0.030 χ^2 /NDF: 13887738.9/81

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 95.316 $\pm$ 43.397 χ^2 /NDF: 17.9/16

Left Out: 279.522 $\pm$ 29.434 χ^2 /NDF:23.7/23

Right Out: 177.269 $\pm$ 41.181 χ^2 /NDF: 10.5/18

Left In: 234.125 $\pm$ 30.362 χ^2 /NDF:24.3/21

Left: 257.529 $\pm$ 21.133 χ^2 /NDF: 49.1/45

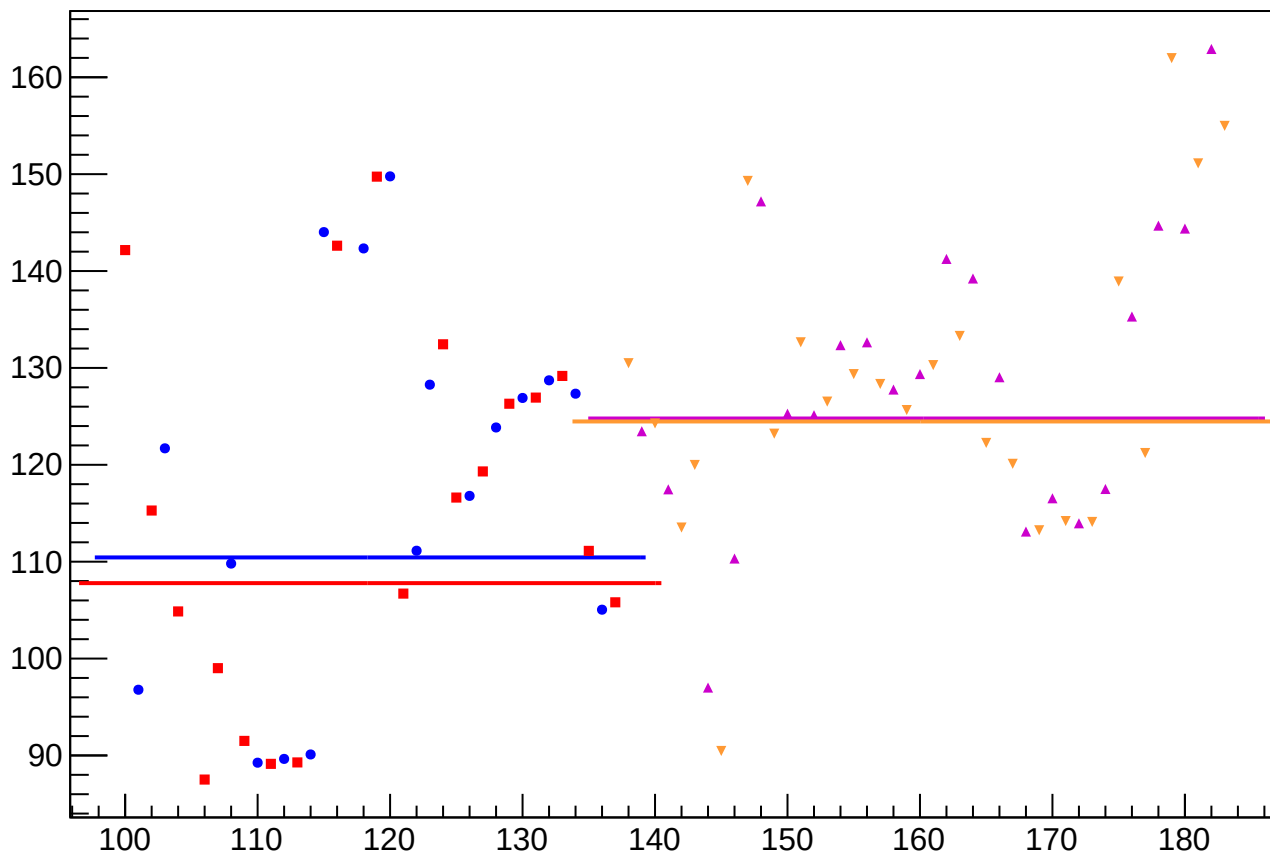
Right: 138.437 $\pm$ 29.872 χ^2 /NDF: 30.3/35

In: 188.507 $\pm$ 24.878 χ^2 /NDF:49.1/38

Out: 244.949 $\pm$ 23.946 χ^2 /NDF:38.3/42

All: 217.805 $\pm$ 17.252 χ^2 /NDF: 90.0/81

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.439 $\pm$ 0.031 χ^2 /NDF: 296029.7/16

Left Out: 124.474 $\pm$ 0.021 χ^2 /NDF: 539402.5/23

Right Out: 107.787 $\pm$ 0.029 χ^2 /NDF: 346139.4/18

Left In: 124.779 $\pm$ 0.021 χ^2 /NDF: 455469.4/21

Left: 124.622 $\pm$ 0.015 χ^2 /NDF: 994975.8/45

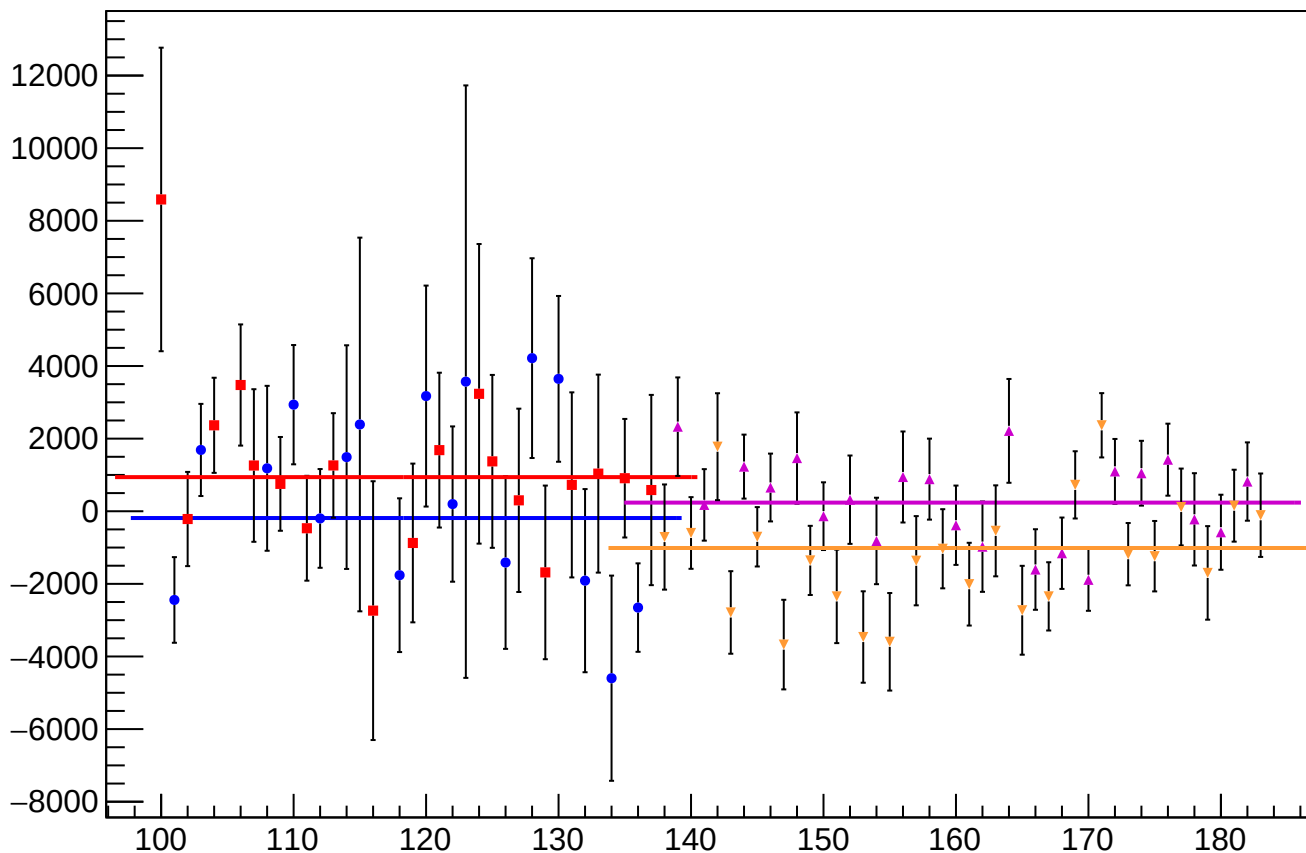
Right: 109.044 $\pm$ 0.021 χ^2 /NDF: 646100.5/35

In: 120.066 $\pm$ 0.018 χ^2 /NDF: 898098.9/38

Out: 118.832 $\pm$ 0.017 χ^2 /NDF: 1102897.5/42

All: 119.425 $\pm$ 0.012 χ^2 /NDF: 2003552.7/81

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -186.780+/-465.749 χ^2/NDF : 25.0/16

Left Out: -1012.135+/-220.184 χ^2/NDF : 46.3/23

Right Out: 939.774+/-435.810 χ^2/NDF : 12.2/18

Left In: 237.707+/-225.049 χ^2/NDF : 24.8/21

Left: -400.871+/-157.385 χ^2/NDF : 86.8/45

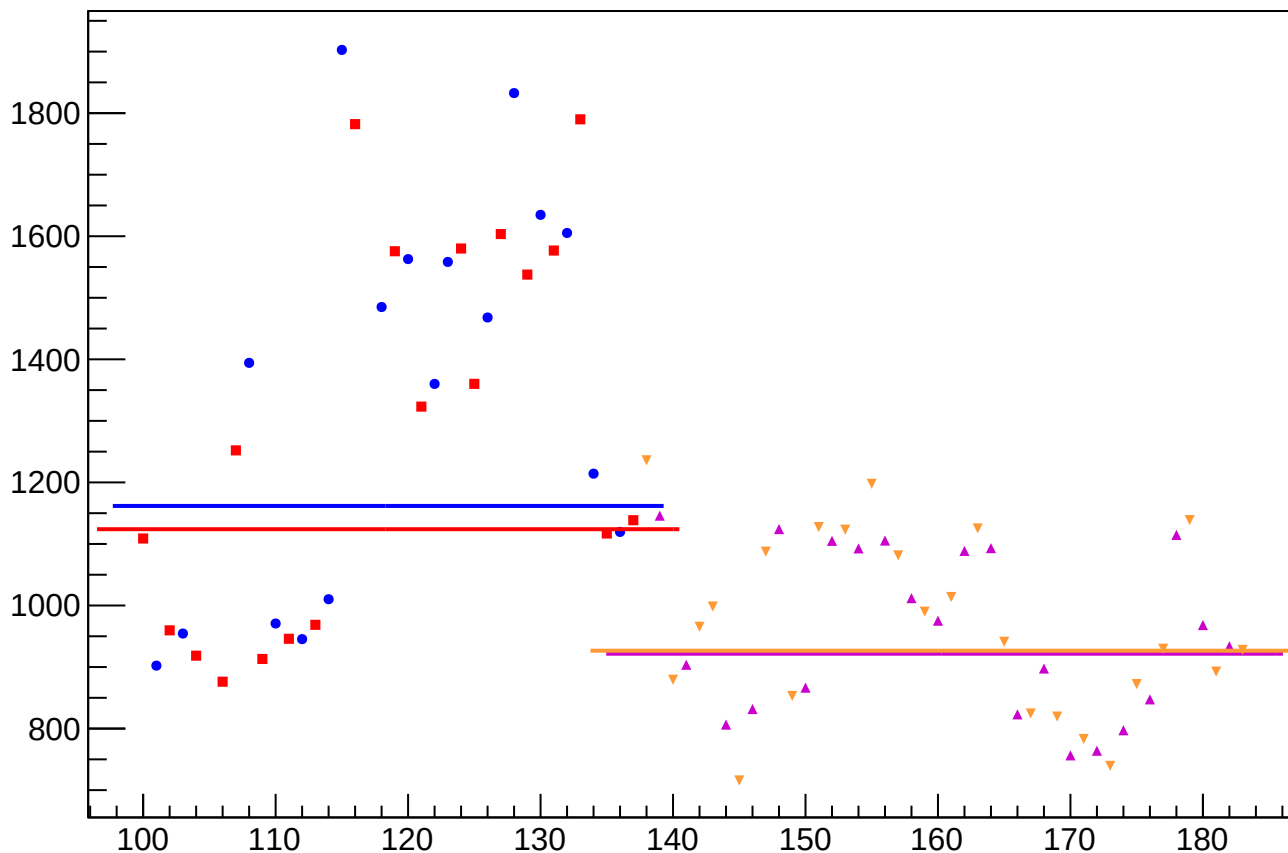
Right: 413.866+/-318.222 χ^2/NDF : 40.3/35

In: 157.358+/-202.634 χ^2/NDF : 50.5/38

Out: -615.216+/-196.526 χ^2/NDF : 74.5/42

All: -240.749+/-141.075 χ^2/NDF : 132.5/81

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.775 $\pm$ 0.329 χ^2 /NDF: 701230.3/16

Left Out: 926.522 $\pm$ 0.156 χ^2 /NDF: 824572.3/23

Right Out: 1123.975 $\pm$ 0.308 χ^2 /NDF: 769570.1/18

Left In: 921.683 $\pm$ 0.159 χ^2 /NDF: 633906.7/21

Left: 924.155 $\pm$ 0.111 χ^2 /NDF: 1458951.5/45

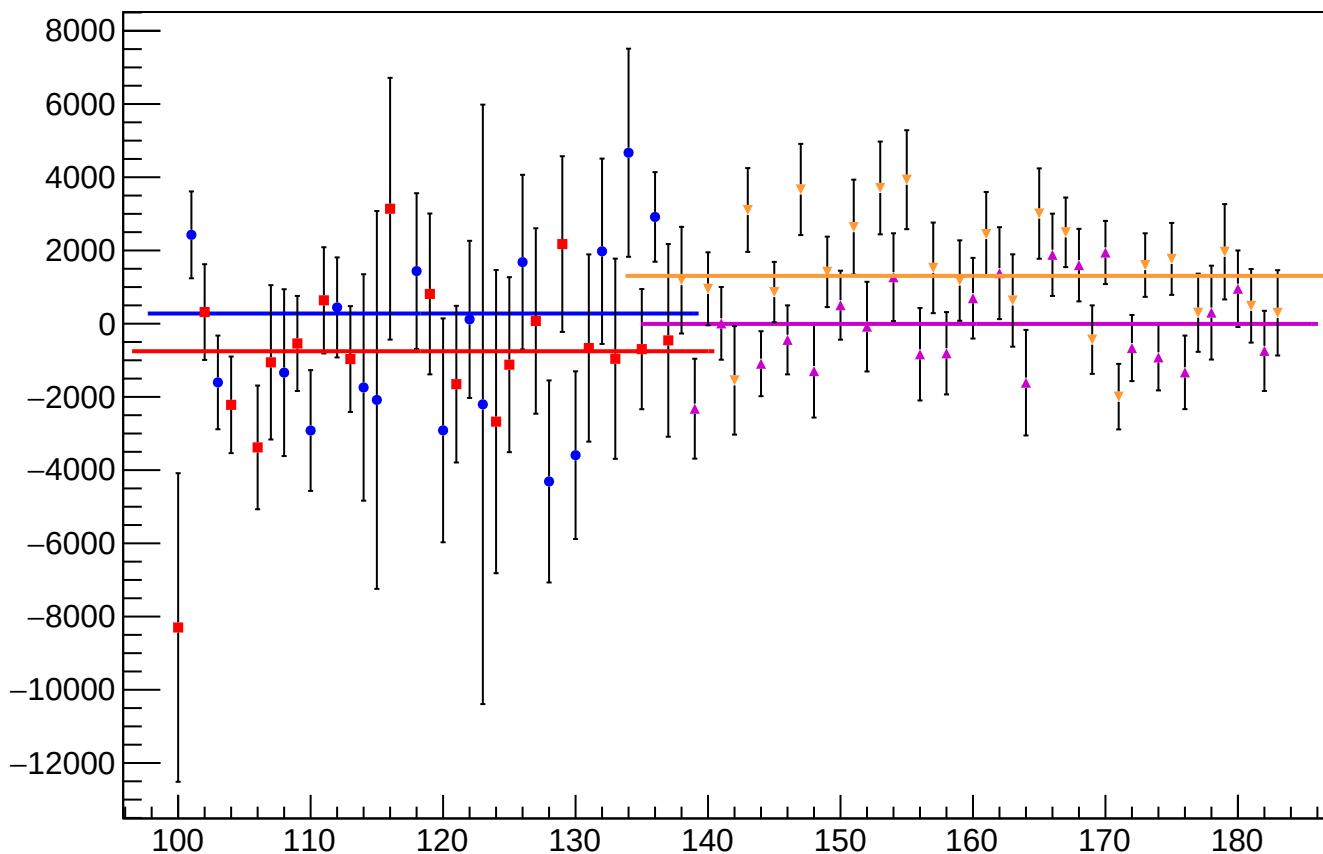
Right: 1141.621 $\pm$ 0.225 χ^2 /NDF: 1477824.2/35

In: 967.129 $\pm$ 0.143 χ^2 /NDF: 1766010.2/38

Out: 966.674 $\pm$ 0.139 χ^2 /NDF: 1921204.2/42

All: 966.894 $\pm$ 0.100 χ^2 /NDF: 3687219.6/81

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 277.871+/-468.037 χ^2/NDF : 25.3/16

Left Out: 1306.105+/-222.306 χ^2/NDF : 43.4/23

Right Out: -752.527+/-438.192 χ^2/NDF : 12.2/18

Left In: -5.946+/-227.237 χ^2/NDF : 26.1/21

Left: 664.470+/-158.909 χ^2/NDF : 86.5/45

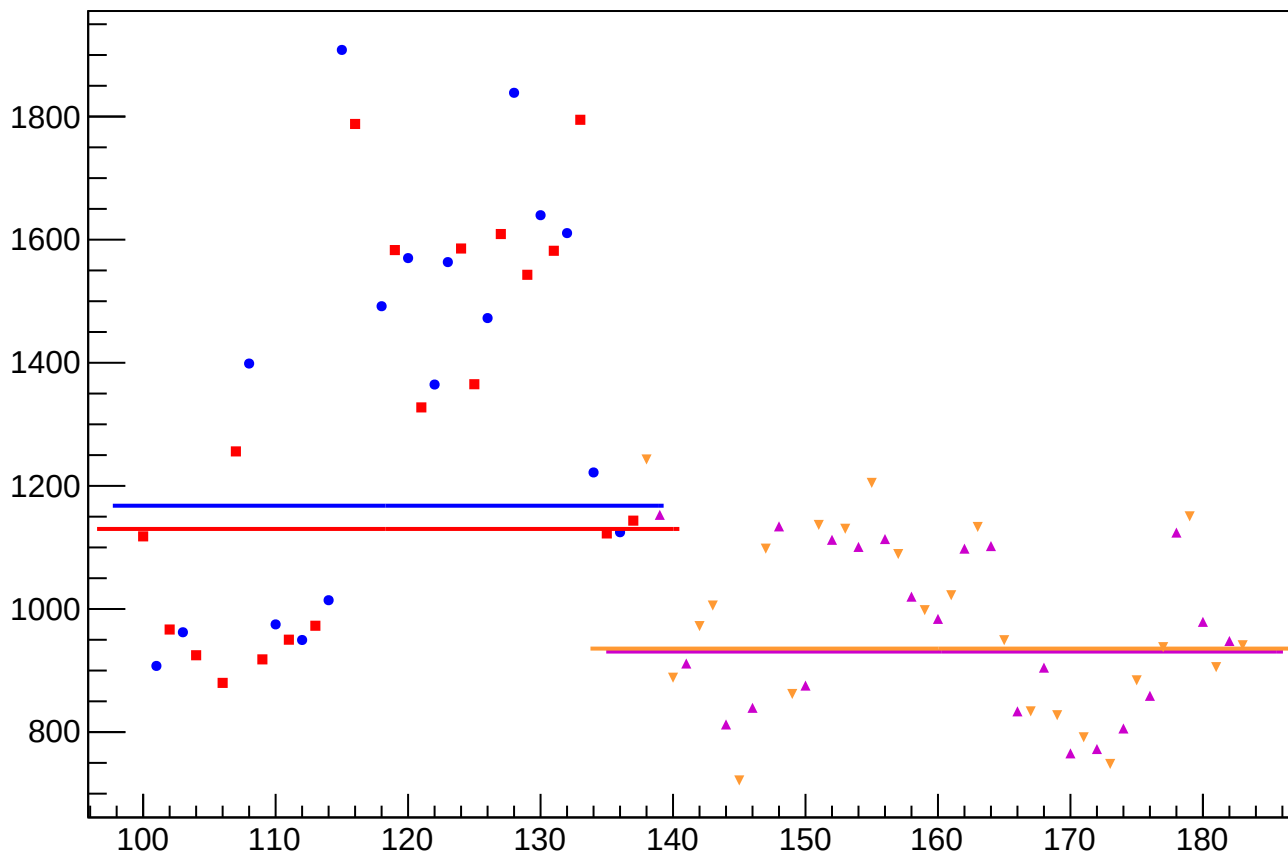
Right: -271.224+/-319.880 χ^2/NDF : 40.1/35

In: 48.194+/-204.418 χ^2/NDF : 51.6/38

Out: 884.714+/-198.252 χ^2/NDF : 73.2/42

All: 479.260+/-142.315 χ^2/NDF : 133.4/81

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.786 $\pm$ 0.331 χ^2/NDF : 695715.2/16

Left Out: 935.679 $\pm$ 0.157 χ^2/NDF : 812116.0/23

Right Out: 1130.045 $\pm$ 0.310 χ^2/NDF : 763293.9/18

Left In: 930.835 $\pm$ 0.161 χ^2/NDF : 623342.0/21

Left: 933.310 $\pm$ 0.112 χ^2/NDF : 1435922.5/45

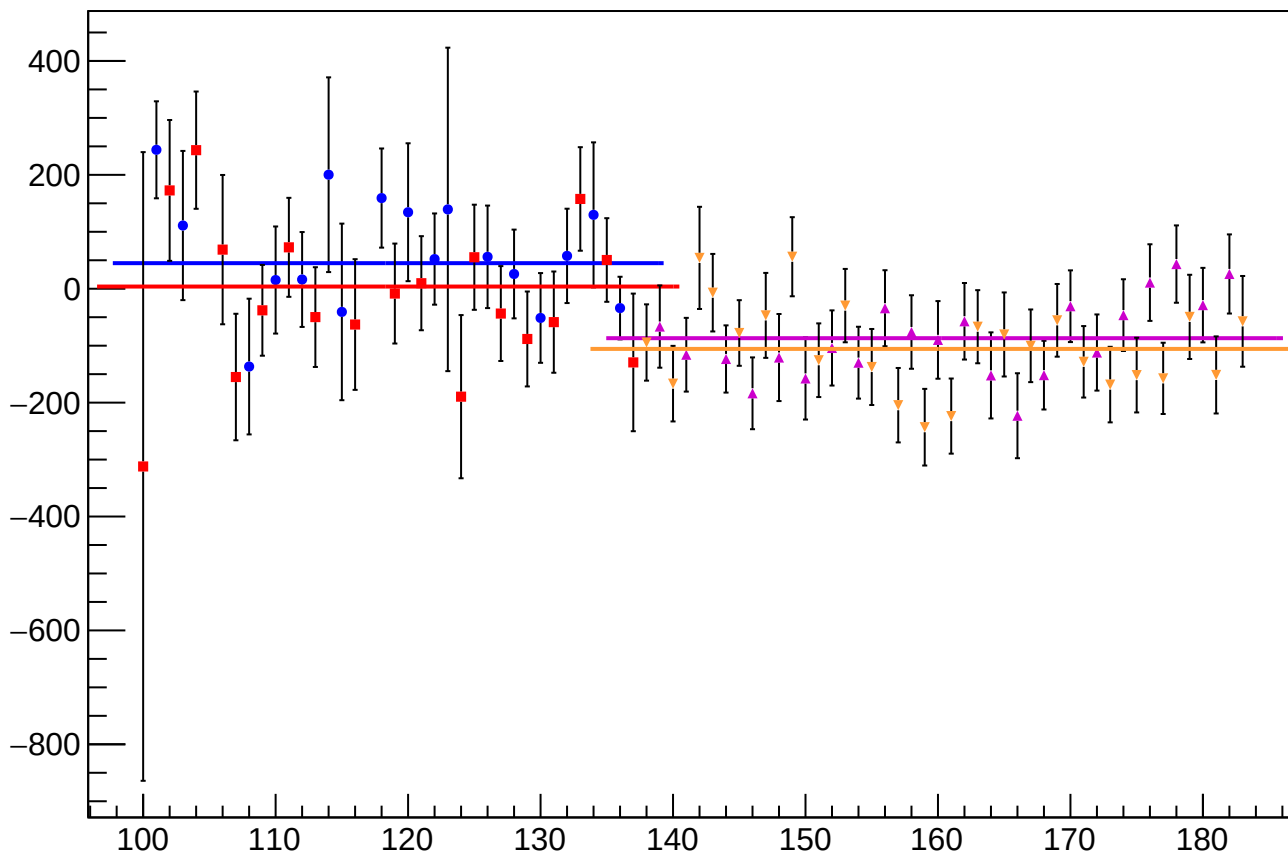
Right: 1147.674 $\pm$ 0.226 χ^2/NDF : 1465939.2/35

In: 976.035 $\pm$ 0.145 χ^2/NDF : 1733885.4/38

Out: 975.465 $\pm$ 0.140 χ^2/NDF : 1888359.8/42

All: 975.741 $\pm$ 0.101 χ^2/NDF : 3622253.2/81

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 44.919 ± 22.614 $\chi^2/\text{NDF}: 15.9/16$

Left Out: -105.653 ± 13.720 $\chi^2/\text{NDF}: 28.5/23$

Right Out: 3.849 ± 22.193 $\chi^2/\text{NDF}: 20.2/18$

Left In: -86.824 ± 14.214 $\chi^2/\text{NDF}: 21.3/21$

Left: -96.571 ± 9.871 $\chi^2/\text{NDF}: 50.8/45$

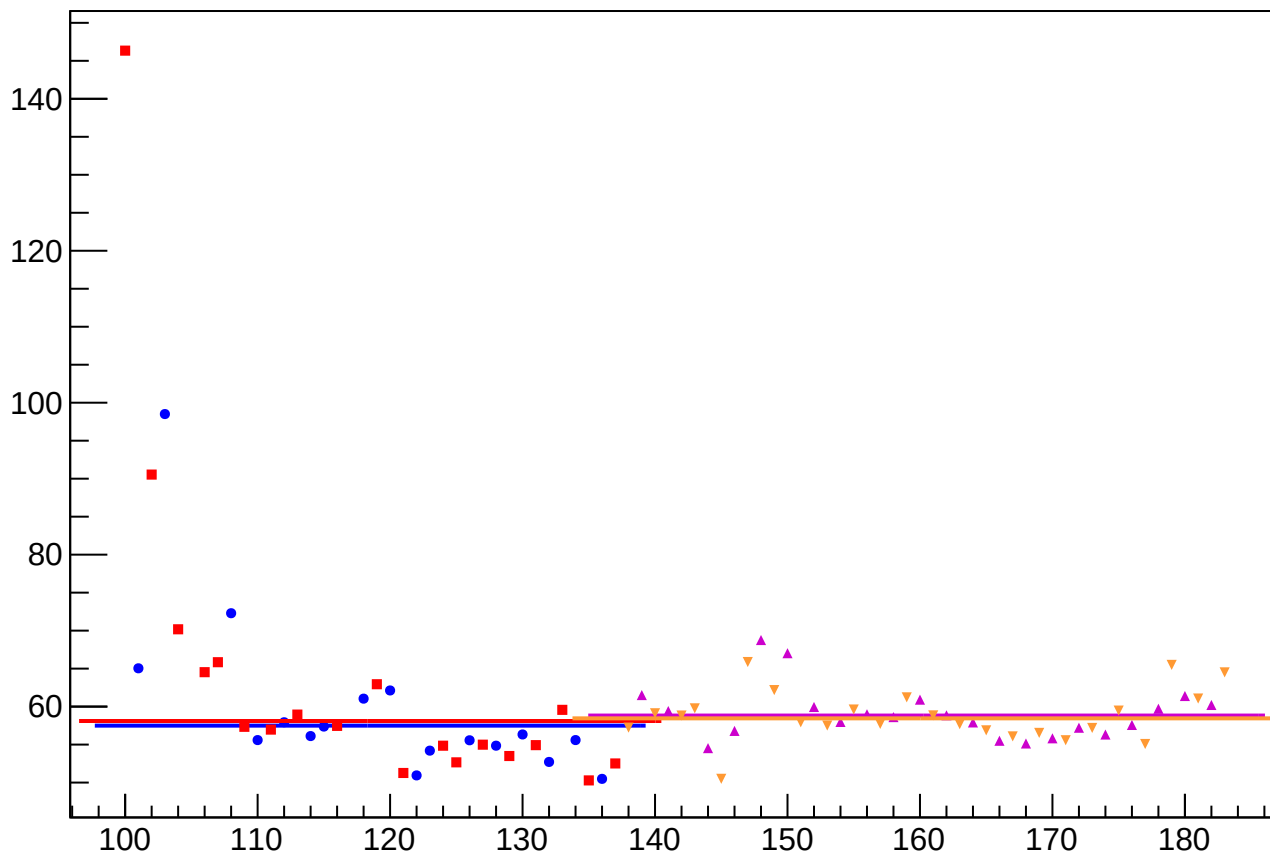
Right: 23.998 ± 15.840 $\chi^2/\text{NDF}: 37.7/35$

In: -49.518 ± 12.034 $\chi^2/\text{NDF}: 61.5/38$

Out: -75.374 ± 11.670 $\chi^2/\text{NDF}: 66.3/42$

All: -62.843 ± 8.378 $\chi^2/\text{NDF}: 130.2/81$

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.495+/-0.016 χ^2/NDF : 306695.7/16

Left Out: 58.452+/-0.010 χ^2/NDF : 119784.7/23

Right Out: 58.105+/-0.016 χ^2/NDF : 298191.3/18

Left In: 58.821+/-0.010 χ^2/NDF : 103550.8/21

Left: 58.630+/-0.007 χ^2/NDF : 224032.3/45

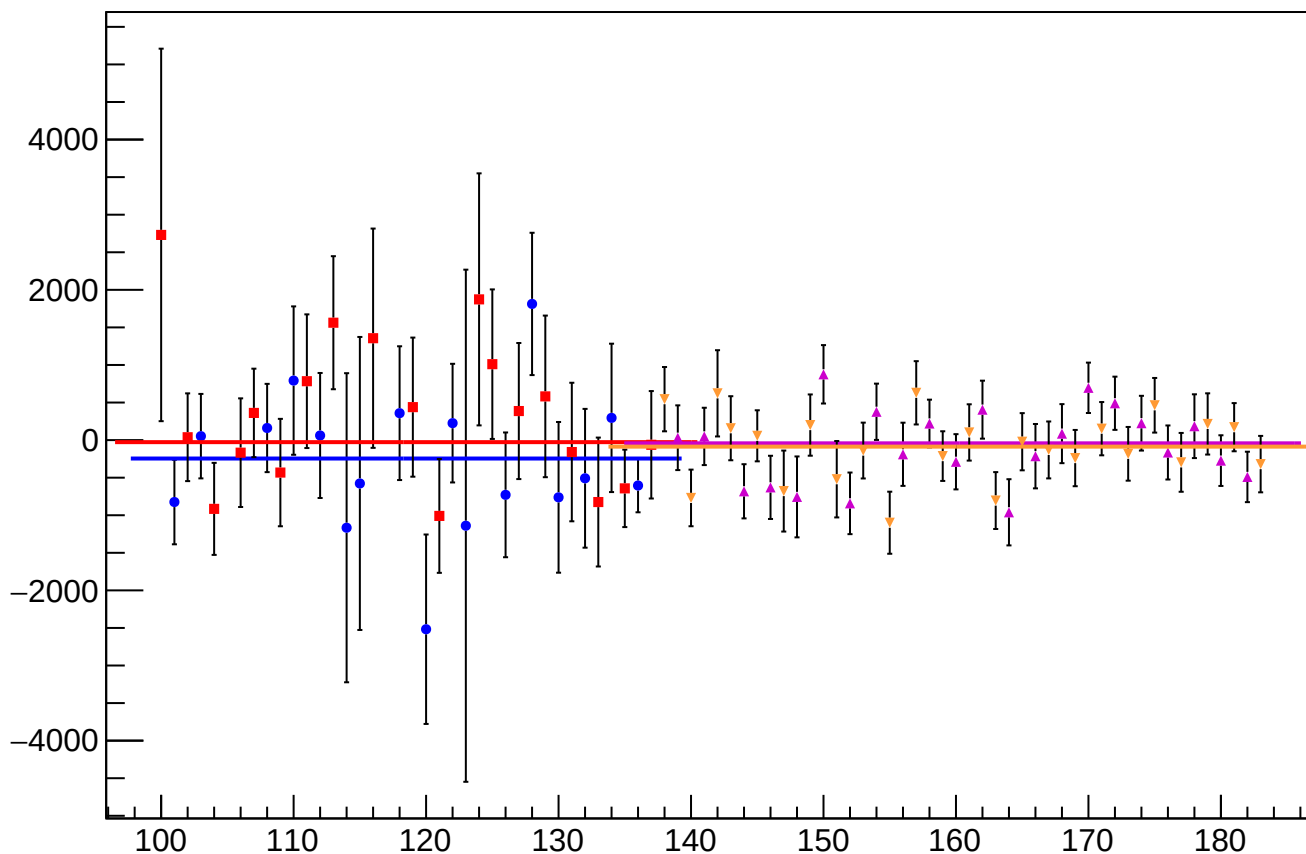
Right: 57.806+/-0.011 χ^2/NDF : 605627.5/35

In: 58.446+/-0.009 χ^2/NDF : 415176.4/38

Out: 58.356+/-0.008 χ^2/NDF : 418331.1/42

All: 58.400+/-0.006 χ^2/NDF : 833564.3/81

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -245.129+/-184.410 χ^2/NDF : 14.1/16

Left Out: -86.830+/-79.364 χ^2/NDF : 27.7/23

Right Out: -27.129+/-182.149 χ^2/NDF : 16.2/18

Left In: -42.894+/-81.413 χ^2/NDF : 35.1/21

Left: -65.422+/-56.829 χ^2/NDF : 63.0/45

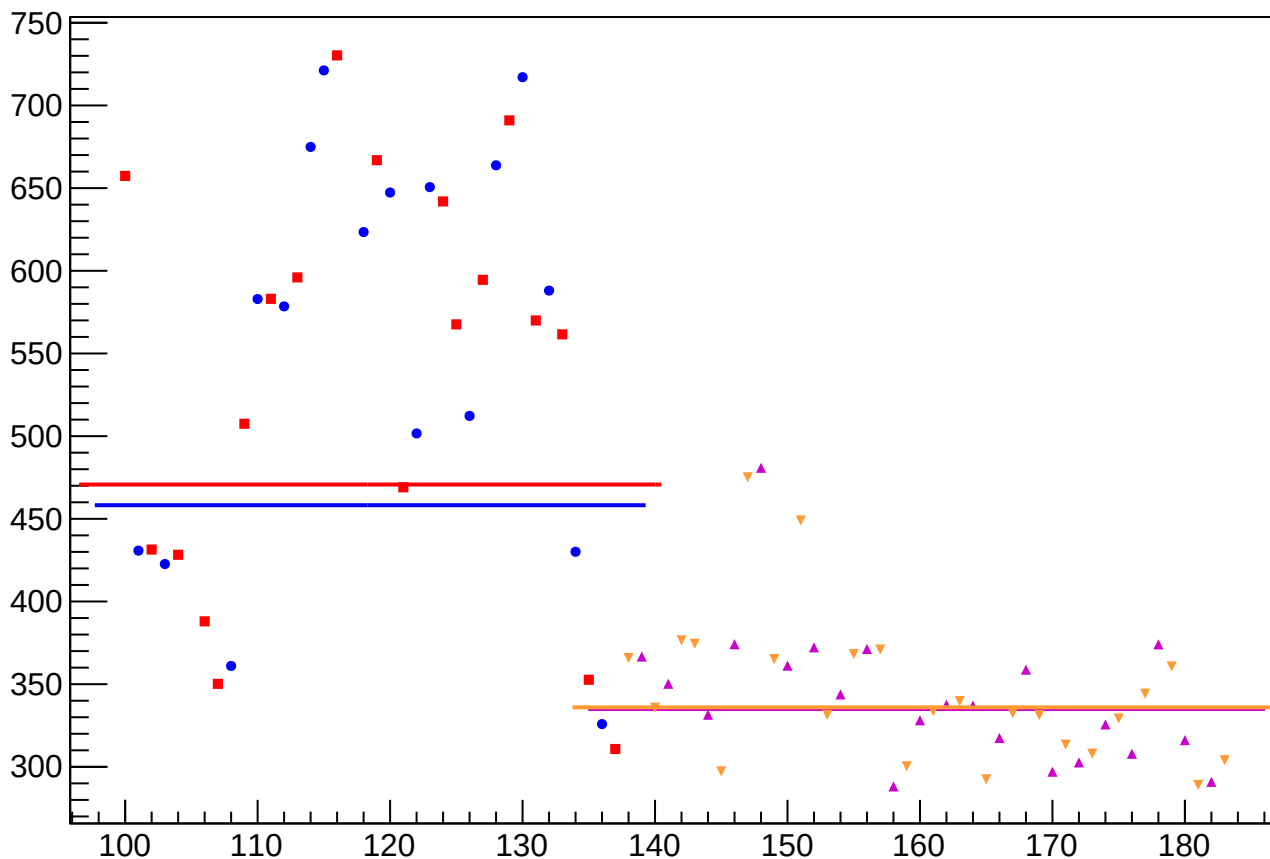
Right: -134.785+/-129.591 χ^2/NDF : 31.1/35

In: -75.881+/-74.478 χ^2/NDF : 50.2/38

Out: -77.305+/-72.758 χ^2/NDF : 44.1/42

All: -76.609+/-52.045 χ^2/NDF : 94.3/81

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.231+/-0.130 χ^2/NDF : 879276.8/16

Left Out: 335.987+/-0.056 χ^2/NDF : 467326.0/23

Right Out: 470.751+/-0.129 χ^2/NDF : 781964.3/18

Left In: 334.969+/-0.058 χ^2/NDF : 387558.7/21

Left: 335.491+/-0.040 χ^2/NDF : 855045.1/45

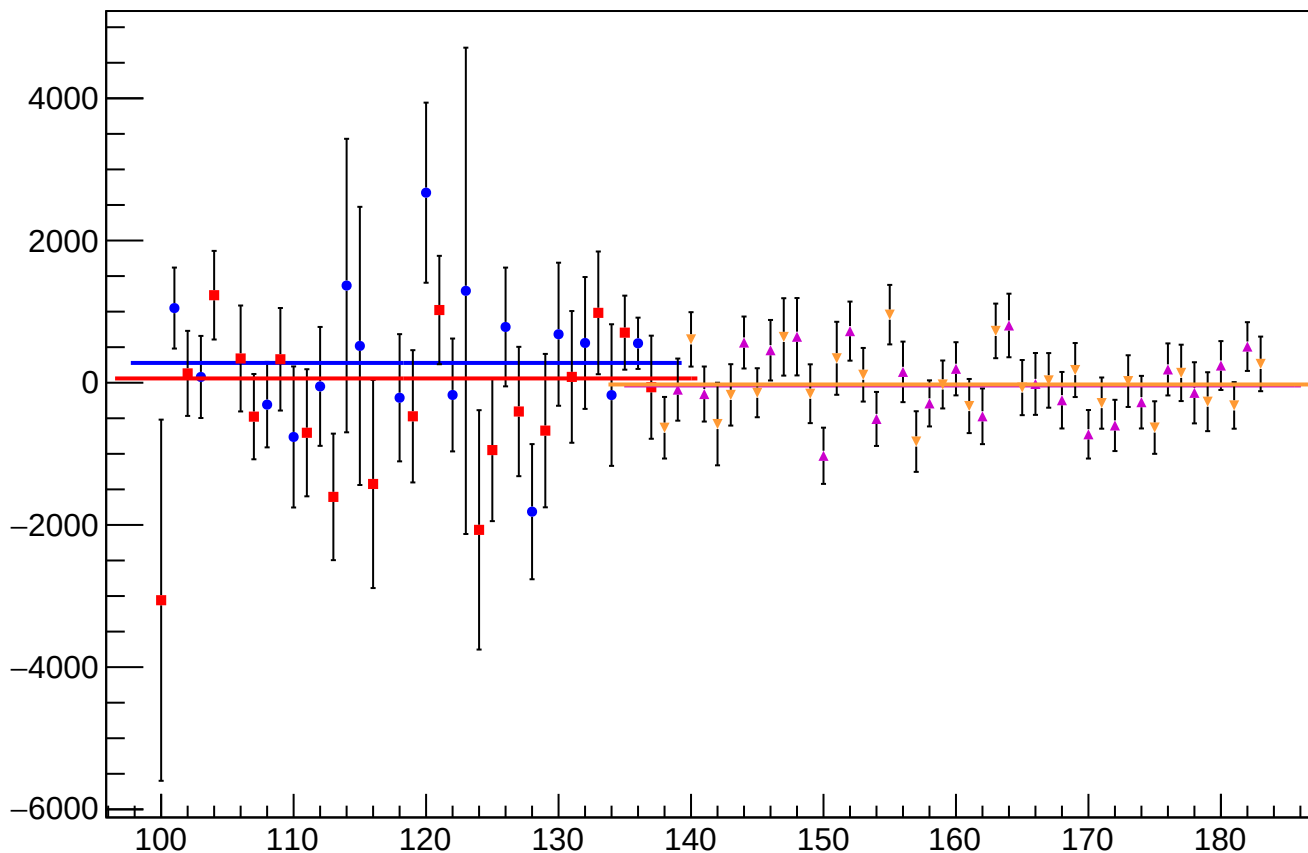
Right: 464.568+/-0.092 χ^2/NDF : 1665907.4/35

In: 355.074+/-0.053 χ^2/NDF : 2014645.1/38

Out: 357.489+/-0.051 χ^2/NDF : 2169390.4/42

All: 356.310+/-0.037 χ^2/NDF : 4185111.1/81

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 278.553 $\pm$ 186.587 χ^2 /NDF: 15.0/16

Left Out: -24.523 $\pm$ 80.615 χ^2 /NDF:27.1/23

Right Out: 60.303 $\pm$ 184.397 χ^2 /NDF: 19.4/18

Left In: -38.141 $\pm$ 82.704 χ^2 /NDF:33.8/21

Left: -31.158 $\pm$ 57.728 χ^2 /NDF: 60.9/45

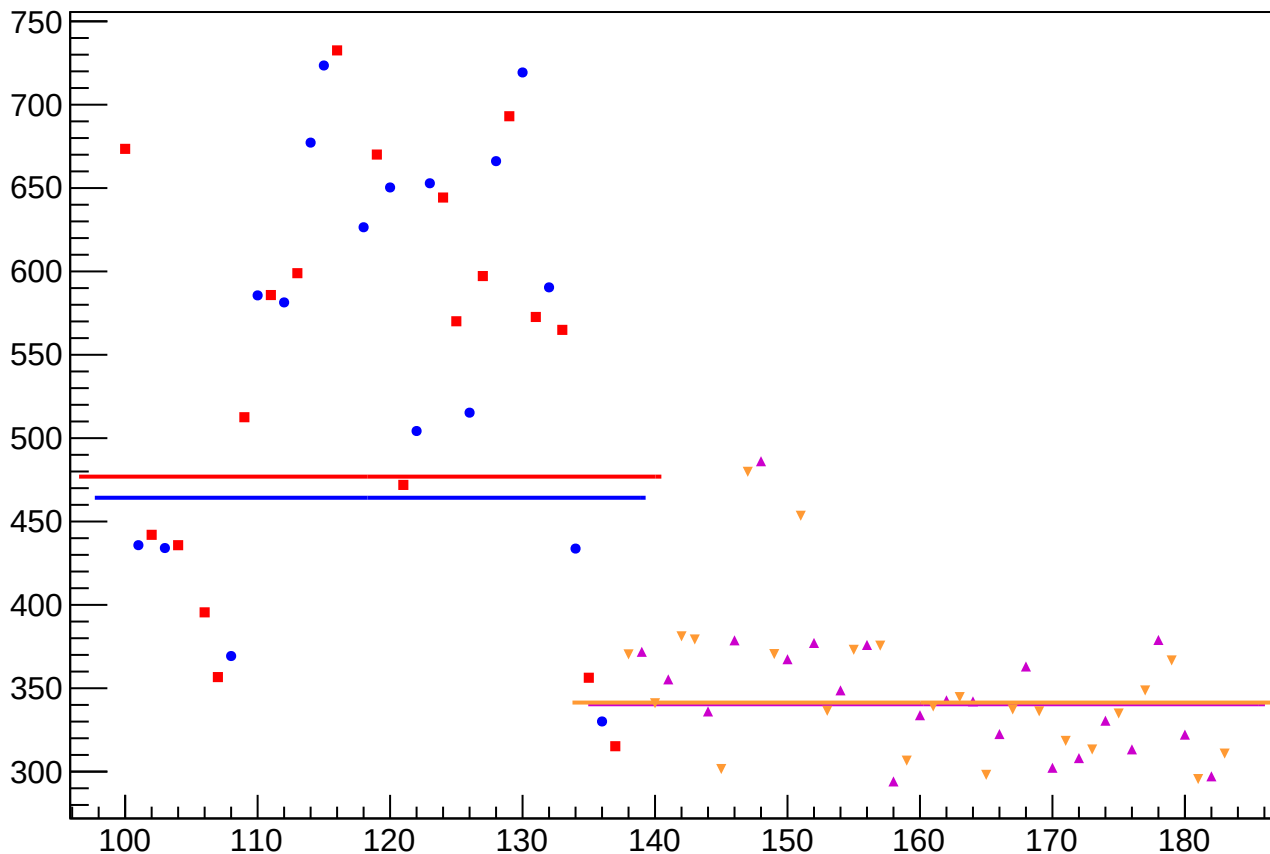
Right: 168.140 $\pm$ 131.156 χ^2 /NDF: 35.1/35

In: 13.862 $\pm$ 75.609 χ^2 /NDF:51.2/38

Out: -10.912 $\pm$ 73.865 χ^2 /NDF:46.6/42

All: 1.186 $\pm$ 52.836 χ^2 /NDF: 97.9/81

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.257+/-0.132 χ^2/NDF : 847933.8/16

Left Out: 341.412+/-0.057 χ^2/NDF : 447460.2/23

Right Out: 476.925+/-0.130 χ^2/NDF : 752685.6/18

Left In: 340.390+/-0.058 χ^2/NDF : 371492.1/21

Left: 340.914+/-0.041 χ^2/NDF : 819108.8/45

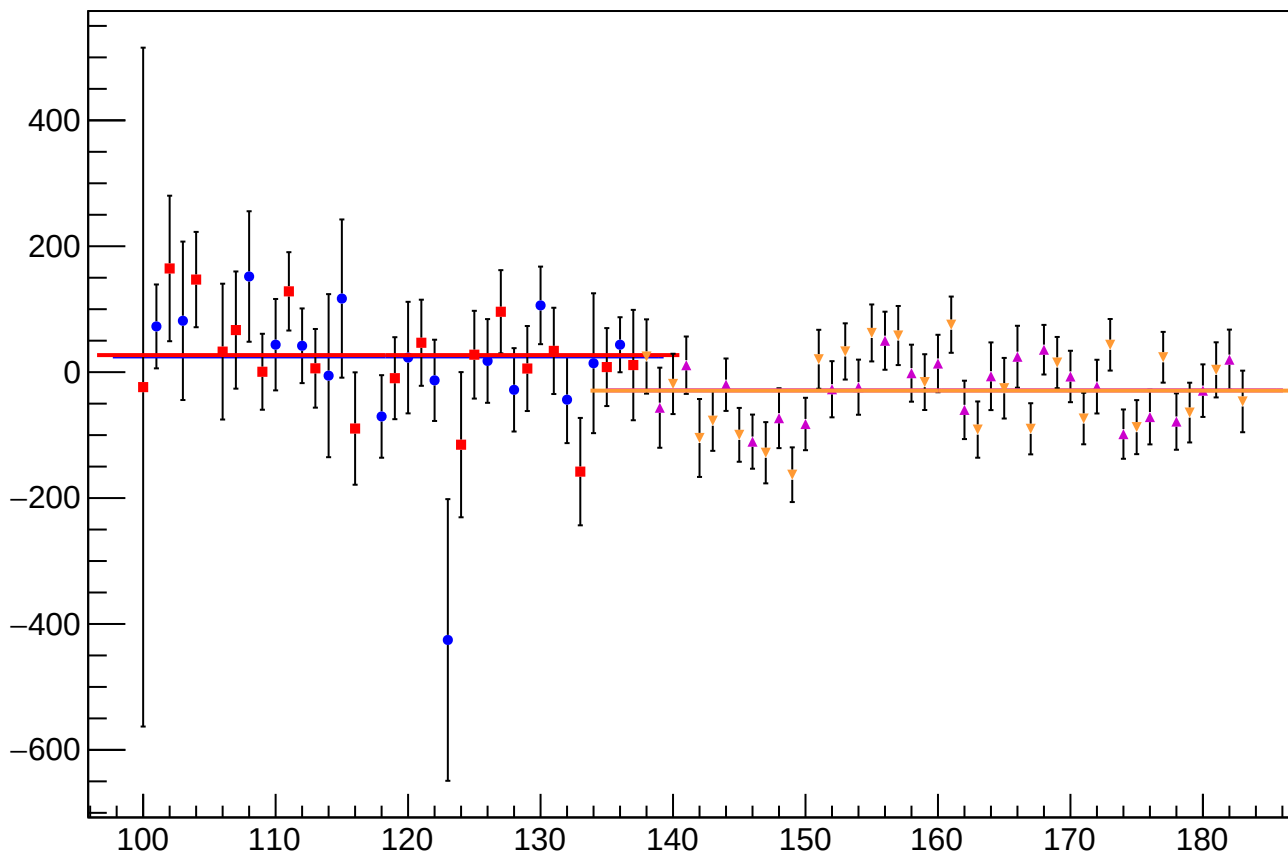
Right: 470.666+/-0.093 χ^2/NDF : 1605283.8/35

In: 360.730+/-0.053 χ^2/NDF : 1956103.3/38

Out: 363.156+/-0.052 χ^2/NDF : 2106979.6/42

All: 361.971+/-0.037 χ^2/NDF : 4064137.0/81

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.974 $\pm$ 17.871 χ^2 /NDF: 13.0/16

Left Out: -29.337 $\pm$ 9.242 χ^2 /NDF:50.3/23

Right Out: 27.097 $\pm$ 17.436 χ^2 /NDF: 16.7/18

Left In: -28.944 $\pm$ 9.518 χ^2 /NDF:22.4/21

Left: -29.146 $\pm$ 6.631 χ^2 /NDF: 72.8/45

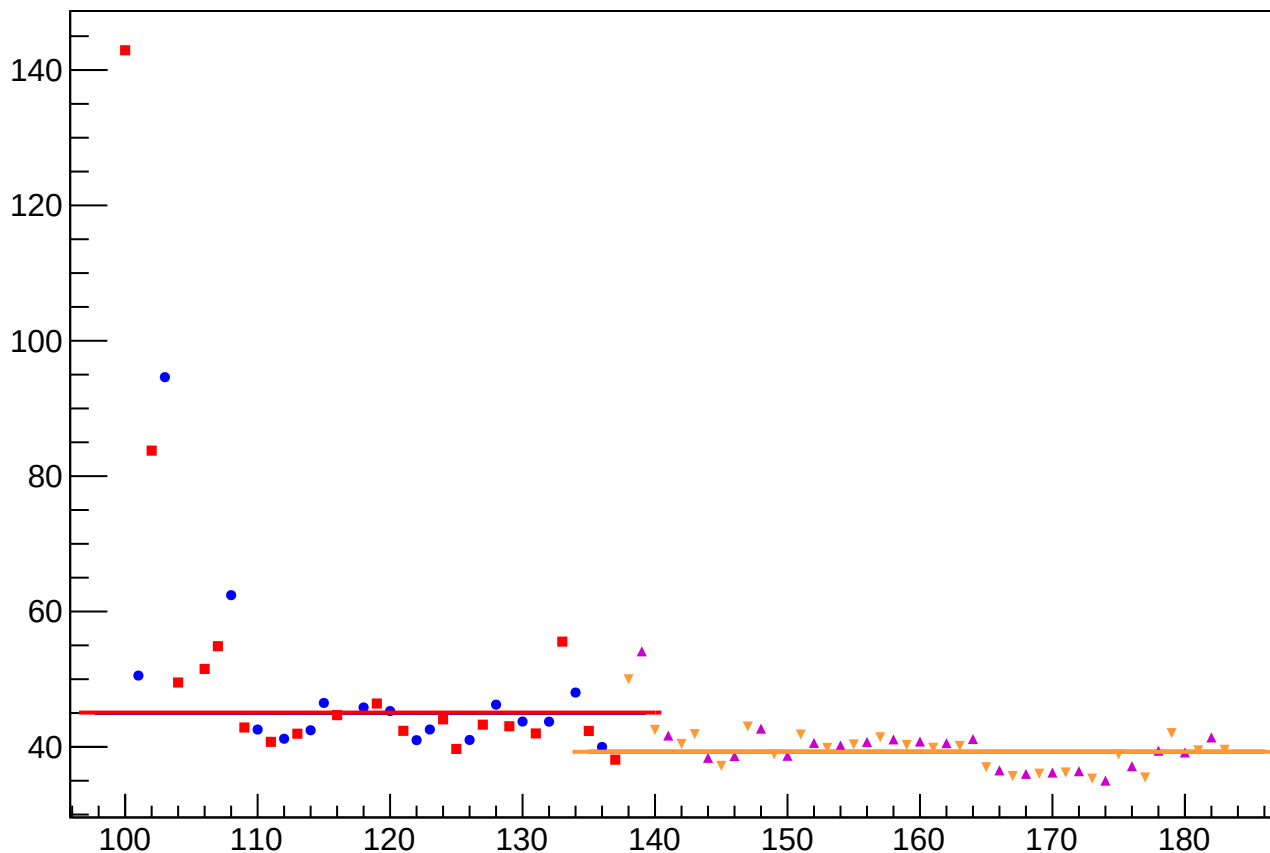
Right: 26.062 $\pm$ 12.480 χ^2 /NDF: 29.8/35

In: -17.029 $\pm$ 8.401 χ^2 /NDF:42.6/38

Out: -16.959 $\pm$ 8.166 χ^2 /NDF:75.3/42

All: -16.993 $\pm$ 5.856 χ^2 /NDF: 117.8/81

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.010 $\pm$ 0.013 χ^2 /NDF: 438252.0/16

Left Out: 39.277 $\pm$ 0.007 χ^2 /NDF:199335.5/23

Right Out: 45.070 $\pm$ 0.012 χ^2 /NDF: 413668.1/18

Left In: 39.299 $\pm$ 0.007 χ^2 /NDF:213297.5/21

Left: 39.288 $\pm$ 0.005 χ^2 /NDF: 412638.5/45

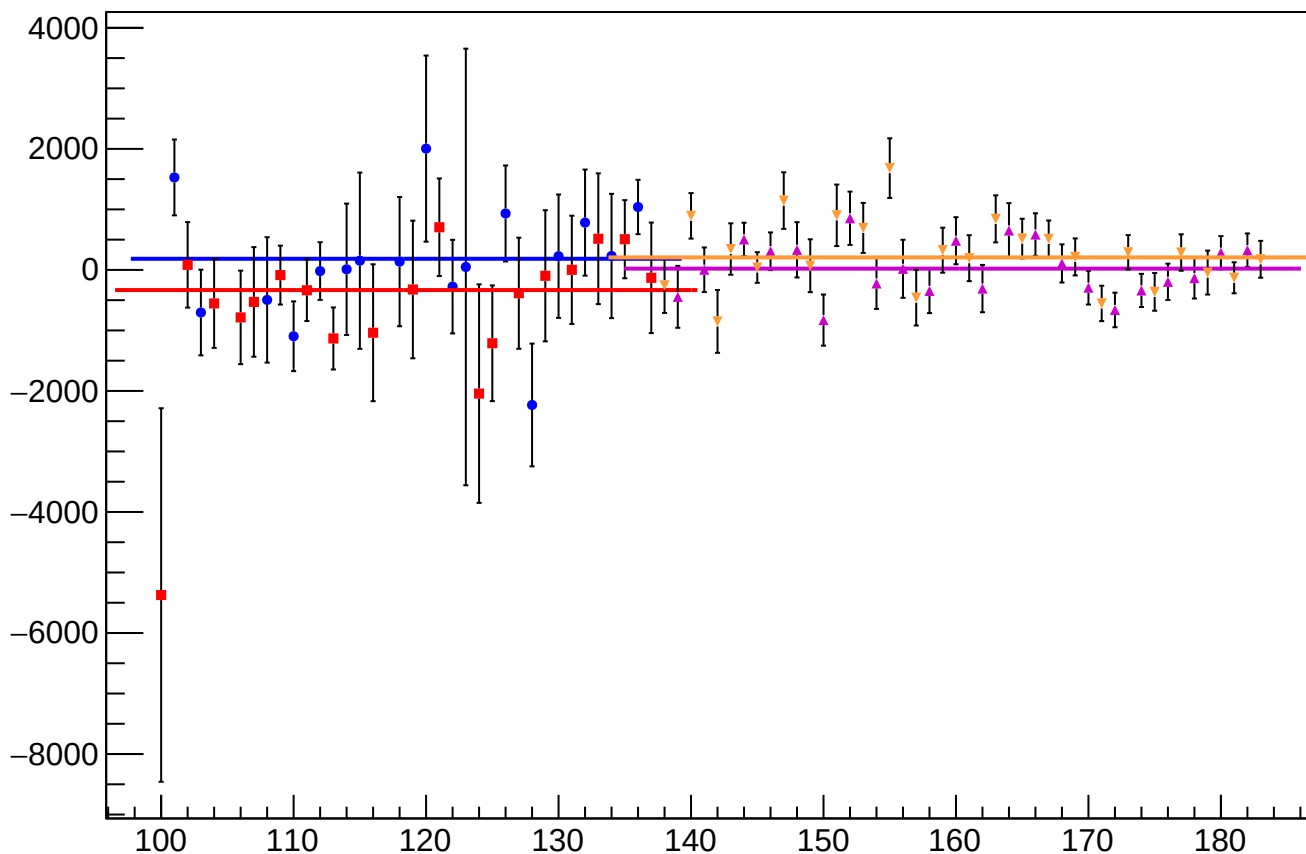
Right: 45.041 $\pm$ 0.009 χ^2 /NDF: 851931.9/35

In: 40.561 $\pm$ 0.006 χ^2 /NDF:810638.7/38

Out: 40.547 $\pm$ 0.006 χ^2 /NDF:785372.3/42

All: 40.554 $\pm$ 0.004 χ^2 /NDF: 1596013.7/81

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.085+/-189.043 χ^2/NDF : 24.2/16

Left Out: 206.596+/-71.475 χ^2/NDF :44.7/23

Right Out: -333.044+/-179.692 χ^2/NDF : 12.5/18

Left In: 21.245+/-72.880 χ^2/NDF :32.4/21

Left: 115.723+/-51.030 χ^2/NDF : 80.4/45

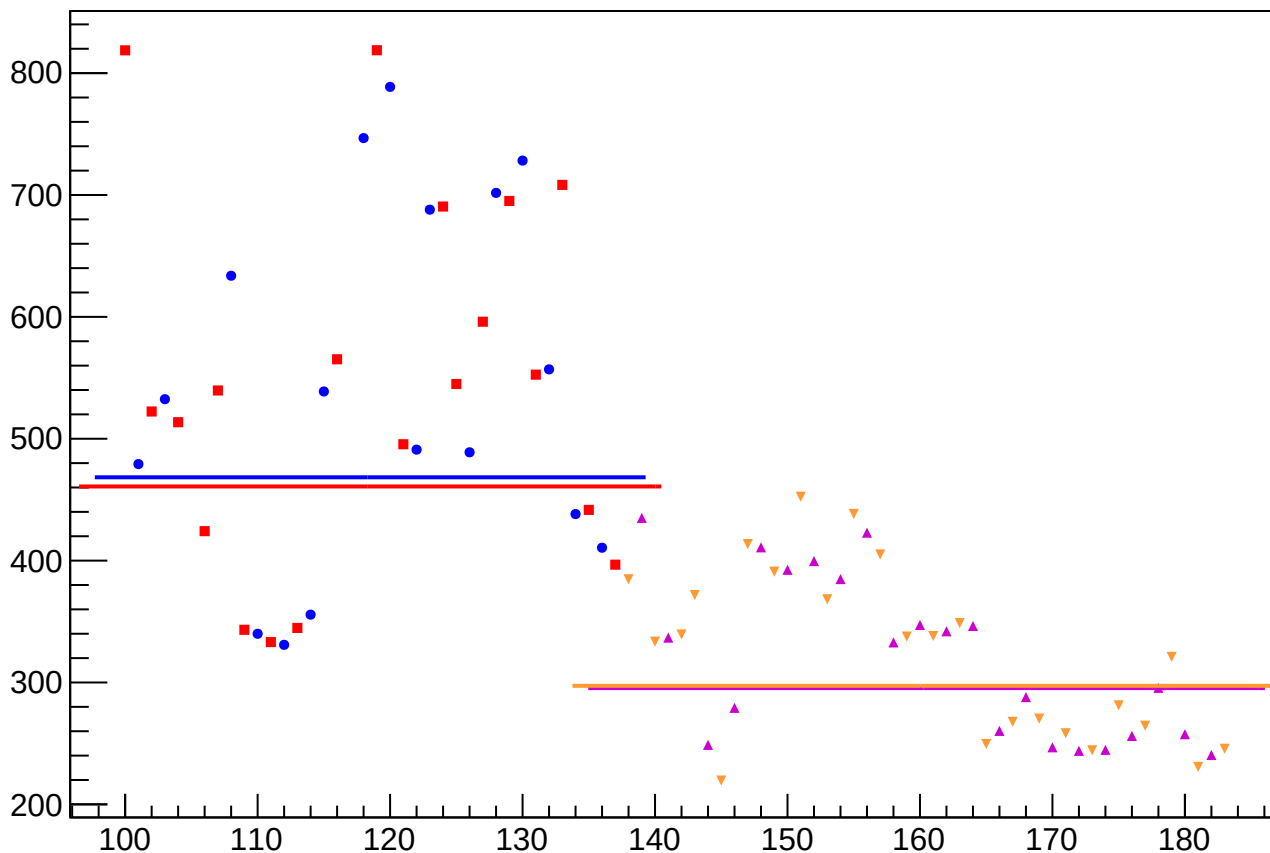
Right: -87.586+/-130.242 χ^2/NDF : 40.6/35

In: 42.315+/-68.001 χ^2/NDF :57.2/38

Out: 132.878+/-66.414 χ^2/NDF :65.0/42

All: 88.666+/-47.513 χ^2/NDF : 123.2/81

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.371+/-0.134 χ^2/NDF : 883769.0/16

Left Out: 297.275+/-0.051 χ^2/NDF :1583775.9/23

Right Out: 460.849+/-0.127 χ^2/NDF : 958126.5/18

Left In: 295.392+/-0.052 χ^2/NDF :1289373.5/21

Left: 296.352+/-0.036 χ^2/NDF : 2873829.9/45

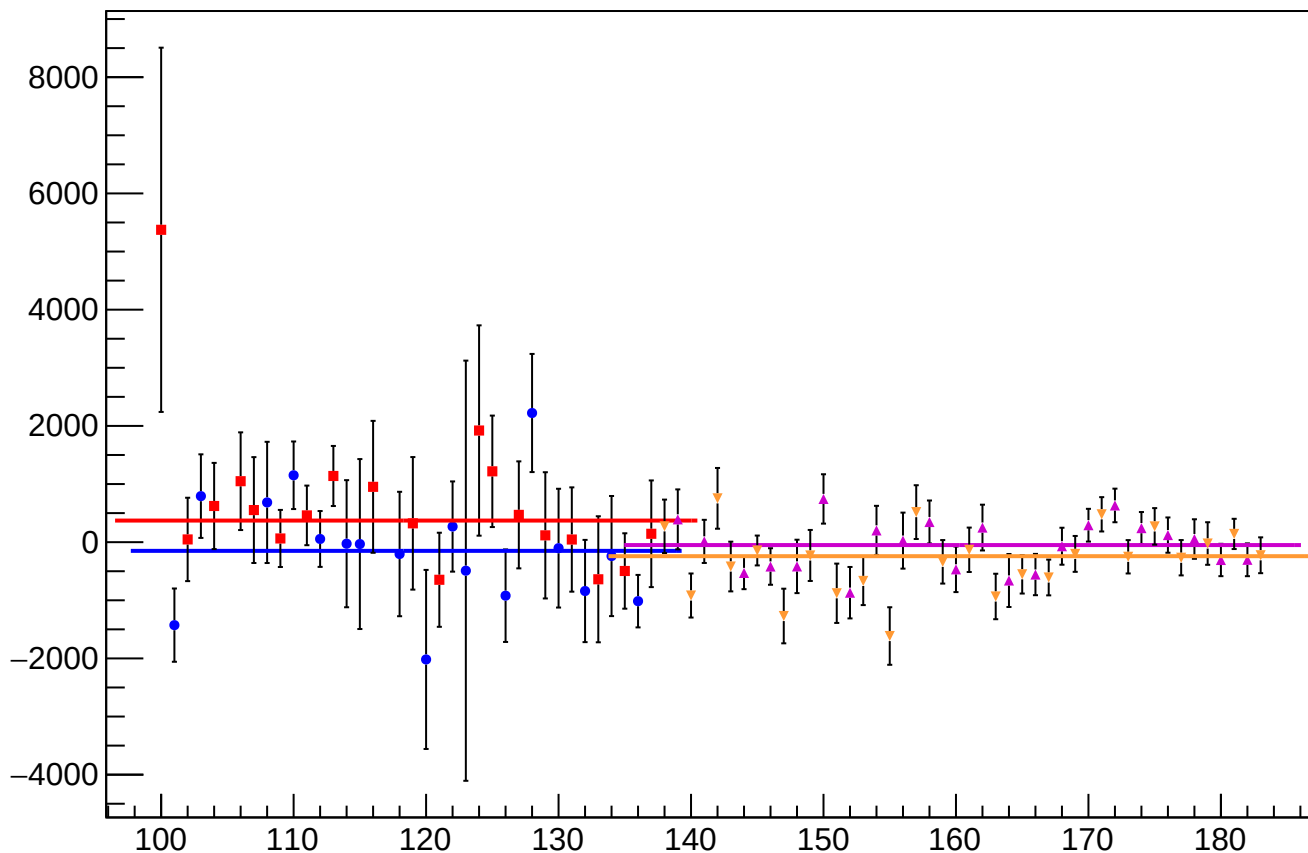
Right: 464.419+/-0.092 χ^2/NDF : 1843559.5/35

In: 317.774+/-0.048 χ^2/NDF :3631016.7/38

Out: 319.620+/-0.047 χ^2/NDF :3972807.0/42

All: 318.719+/-0.034 χ^2/NDF : 7604577.5/81

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -149.502 $\pm$ 190.216 χ^2 /NDF: 24.1/16

Left Out: -241.016 $\pm$ 72.147 χ^2 /NDF:42.9/23

Right Out: 371.735 $\pm$ 181.576 χ^2 /NDF: 12.5/18

Left In: -49.878 $\pm$ 73.571 χ^2 /NDF:29.9/21

Left: -147.315 $\pm$ 51.511 χ^2 /NDF: 76.3/45

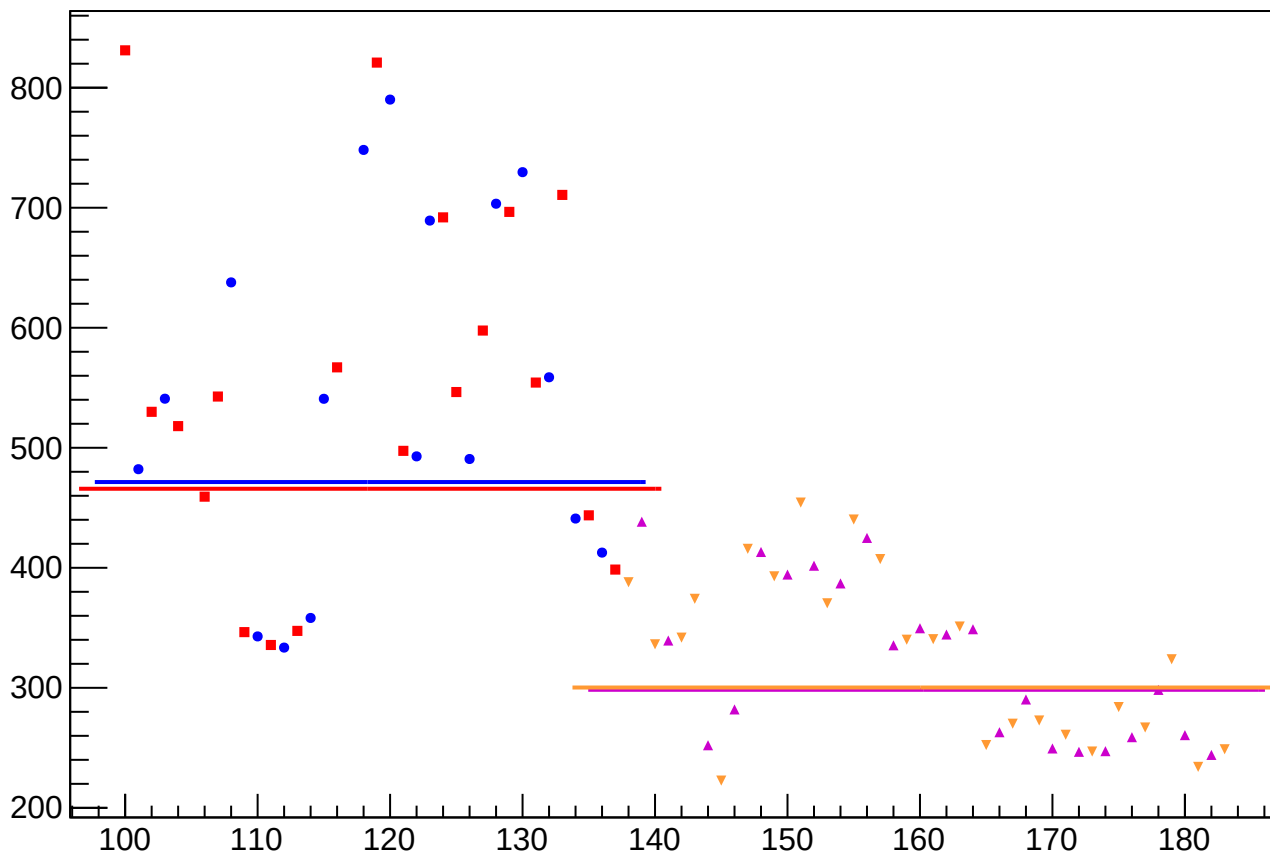
Right: 123.222 $\pm$ 131.342 χ^2 /NDF: 40.5/35

In: -62.842 $\pm$ 68.617 χ^2 /NDF:54.3/38

Out: -157.468 $\pm$ 67.048 χ^2 /NDF:65.2/42

All: -111.249 $\pm$ 47.955 χ^2 /NDF: 120.5/81

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.454 $\pm$ 0.135 χ^2/NDF : 875217.0/16

Left Out: 300.255 $\pm$ 0.051 χ^2/NDF :1544597.5/23

Right Out: 465.856 $\pm$ 0.128 χ^2/NDF : 943653.4/18

Left In: 298.356 $\pm$ 0.052 χ^2/NDF :1258764.3/21

Left: 299.324 $\pm$ 0.036 χ^2/NDF : 2804040.9/45

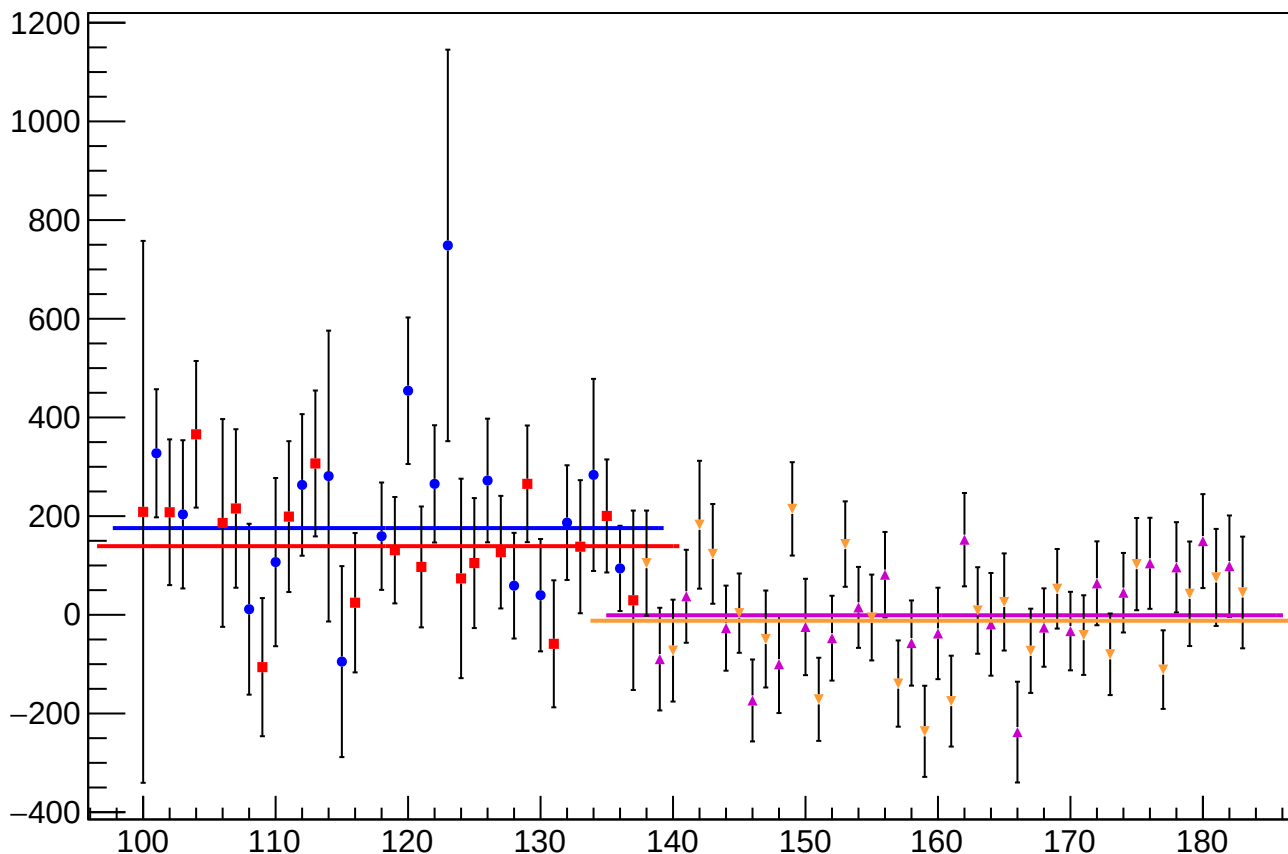
Right: 468.525 $\pm$ 0.093 χ^2/NDF : 1819776.9/35

In: 320.881 $\pm$ 0.049 χ^2/NDF :3574700.0/38

Out: 322.834 $\pm$ 0.047 χ^2/NDF :3924988.5/42

All: 321.880 $\pm$ 0.034 χ^2/NDF : 7500517.7/81

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 175.771 $\pm$ 32.833 χ^2 /NDF: 15.5/16

Left Out: -11.965 $\pm$ 18.737 χ^2 /NDF:36.0/23

Right Out: 139.142 $\pm$ 32.437 χ^2 /NDF: 12.5/18

Left In: -0.949 $\pm$ 19.209 χ^2 /NDF:23.2/21

Left: -6.594 $\pm$ 13.413 χ^2 /NDF: 59.4/45

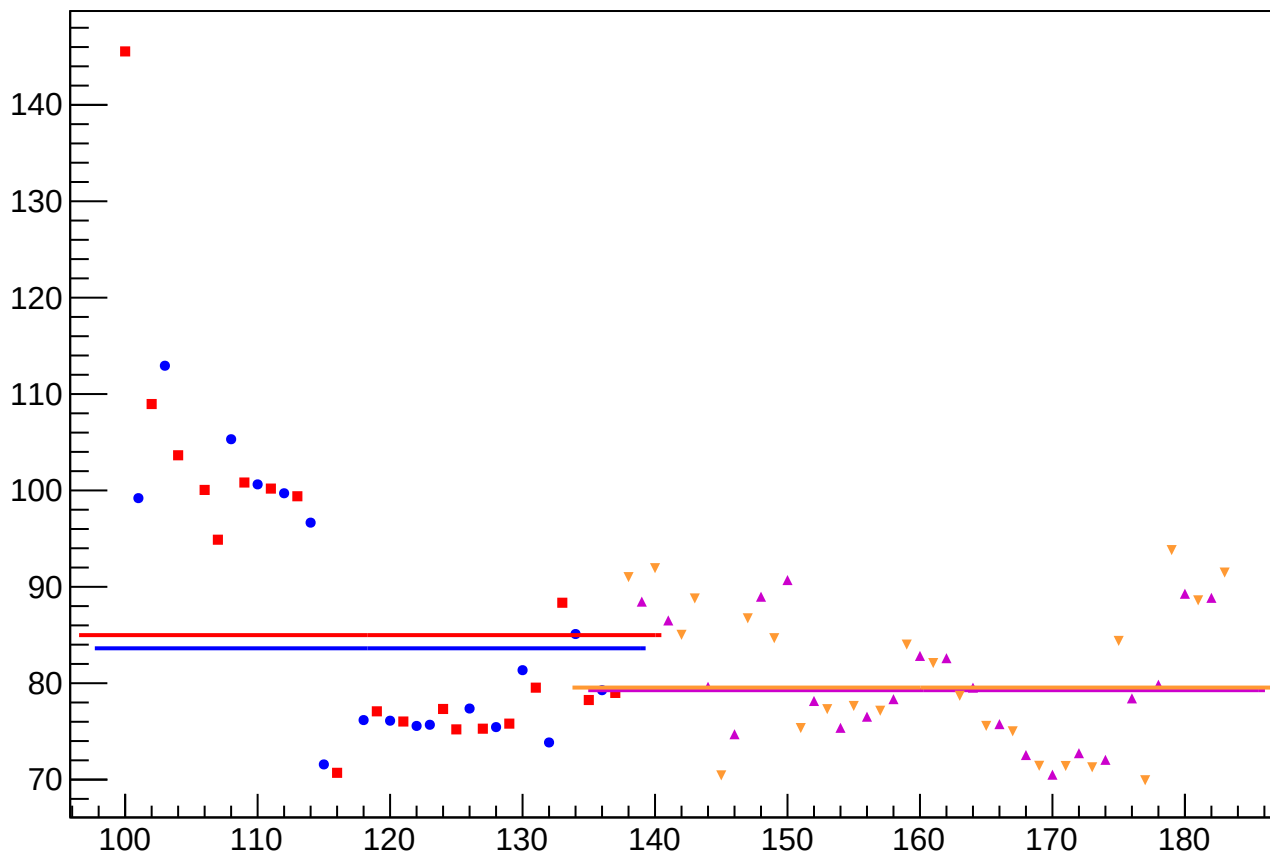
Right: 157.234 $\pm$ 23.075 χ^2 /NDF: 28.6/35

In: 44.114 $\pm$ 16.580 χ^2 /NDF:60.4/38

Out: 25.838 $\pm$ 16.224 χ^2 /NDF:64.7/42

All: 34.778 $\pm$ 11.596 χ^2 /NDF: 125.7/81

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.622 $\pm$ 0.023 χ^2 /NDF: 254251.0/16

Left Out: 79.549 $\pm$ 0.013 χ^2 /NDF: 309072.9/23

Right Out: 84.989 $\pm$ 0.023 χ^2 /NDF: 287001.0/18

Left In: 79.278 $\pm$ 0.014 χ^2 /NDF: 201227.5/21

Left: 79.417 $\pm$ 0.009 χ^2 /NDF: 510504.6/45

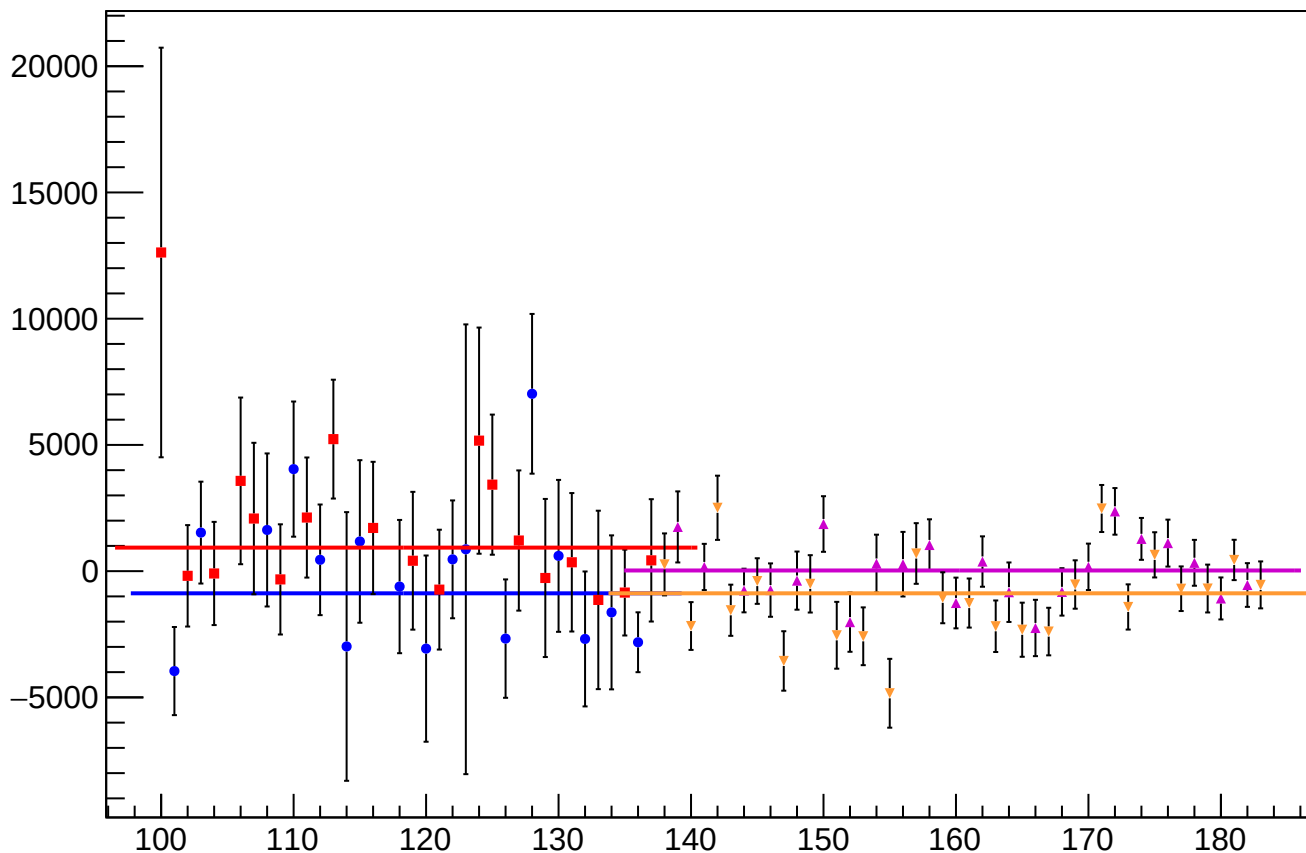
Right: 84.314 $\pm$ 0.016 χ^2 /NDF: 543008.3/35

In: 80.385 $\pm$ 0.012 χ^2 /NDF: 481560.9/38

Out: 80.910 $\pm$ 0.011 χ^2 /NDF: 638262.6/42

All: 80.653 $\pm$ 0.008 χ^2 /NDF: 1120846.0/81

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -877.743+/-584.504 χ^2/NDF : 20.5/16

Left Out: -877.497+/-206.240 χ^2/NDF :55.4/23

Right Out: 932.219+/-590.182 χ^2/NDF : 11.3/18

Left In: 26.960+/-212.318 χ^2/NDF :29.6/21

Left: -438.400+/-147.936 χ^2/NDF : 94.3/45

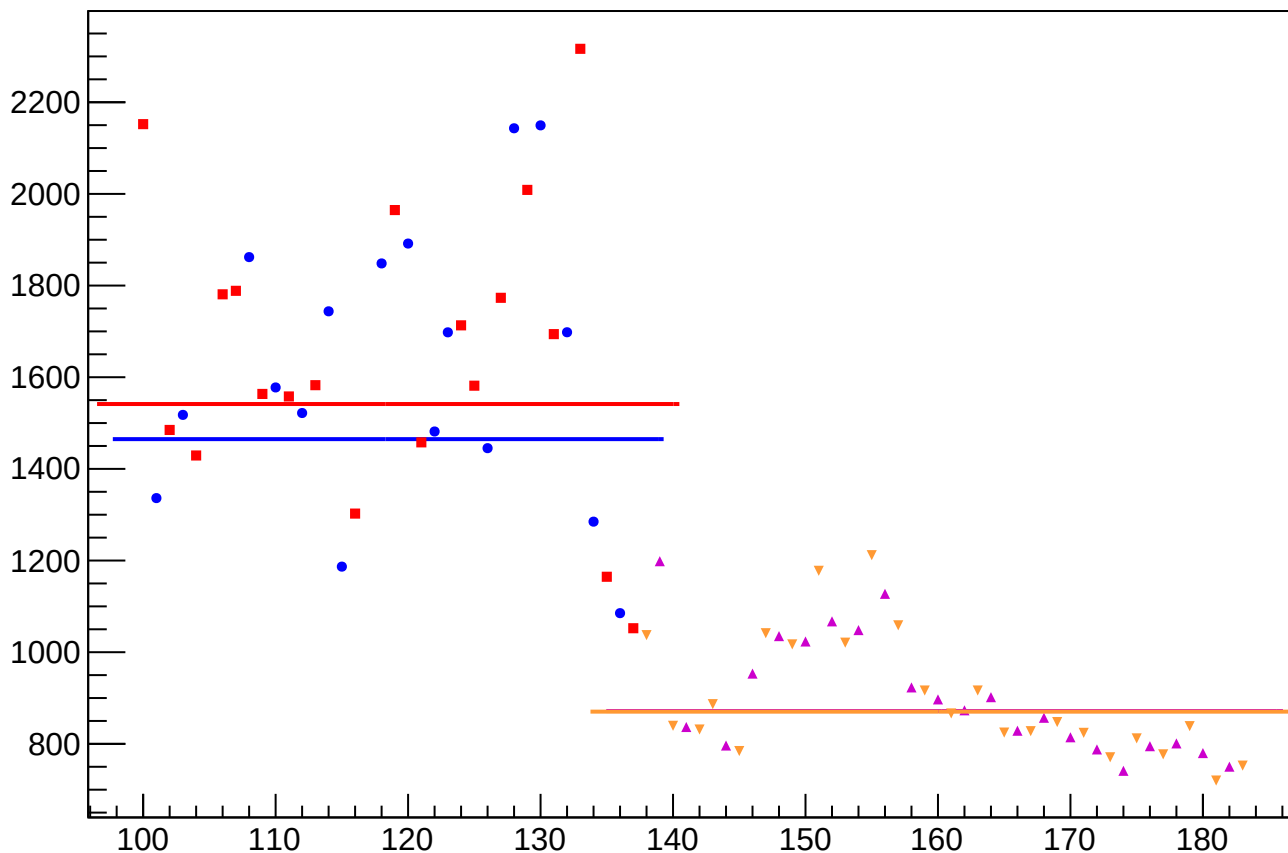
Right: 18.489+/-415.300 χ^2/NDF : 36.6/35

In: -78.498+/-199.560 χ^2/NDF :52.3/38

Out: -680.552+/-194.694 χ^2/NDF :75.1/42

All: -386.954+/-139.358 χ^2/NDF : 132.0/81

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.922 ± 0.413 $\chi^2/\text{NDF}: 565343.8/16$

Left Out: 870.328 ± 0.146 $\chi^2/\text{NDF}: 634954.0/23$

Right Out: 1541.521 ± 0.417 $\chi^2/\text{NDF}: 455248.6/18$

Left In: 871.632 ± 0.150 $\chi^2/\text{NDF}: 573319.5/21$

Left: 870.961 ± 0.105 $\chi^2/\text{NDF}: 1208312.3/45$

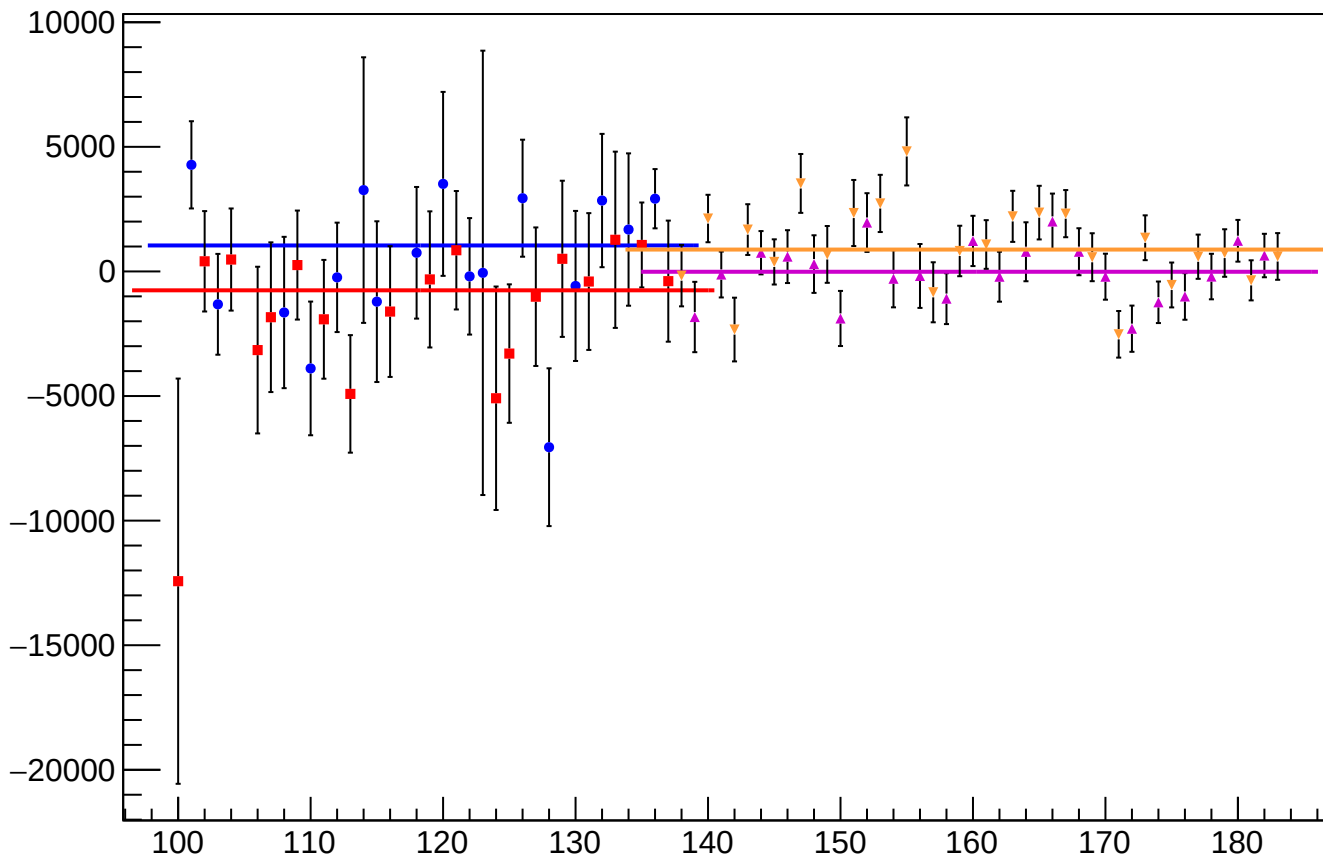
Right: 1502.851 ± 0.294 $\chi^2/\text{NDF}: 1037600.4/35$

In: 940.790 ± 0.141 $\chi^2/\text{NDF}: 2959049.0/38$

Out: 943.372 ± 0.138 $\chi^2/\text{NDF}: 3395436.8/42$

All: 942.113 ± 0.099 $\chi^2/\text{NDF}: 6354657.3/81$

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1042.489 $\pm$ 585.716 χ^2 /NDF: 21.2/16

Left Out: 877.703 $\pm$ 207.198 χ^2 /NDF:53.5/23

Right Out: -758.067 $\pm$ 591.504 χ^2 /NDF: 11.0/18

Left In: -13.322 $\pm$ 213.277 χ^2 /NDF:27.9/21

Left: 445.069 $\pm$ 148.614 χ^2 /NDF: 90.4/45

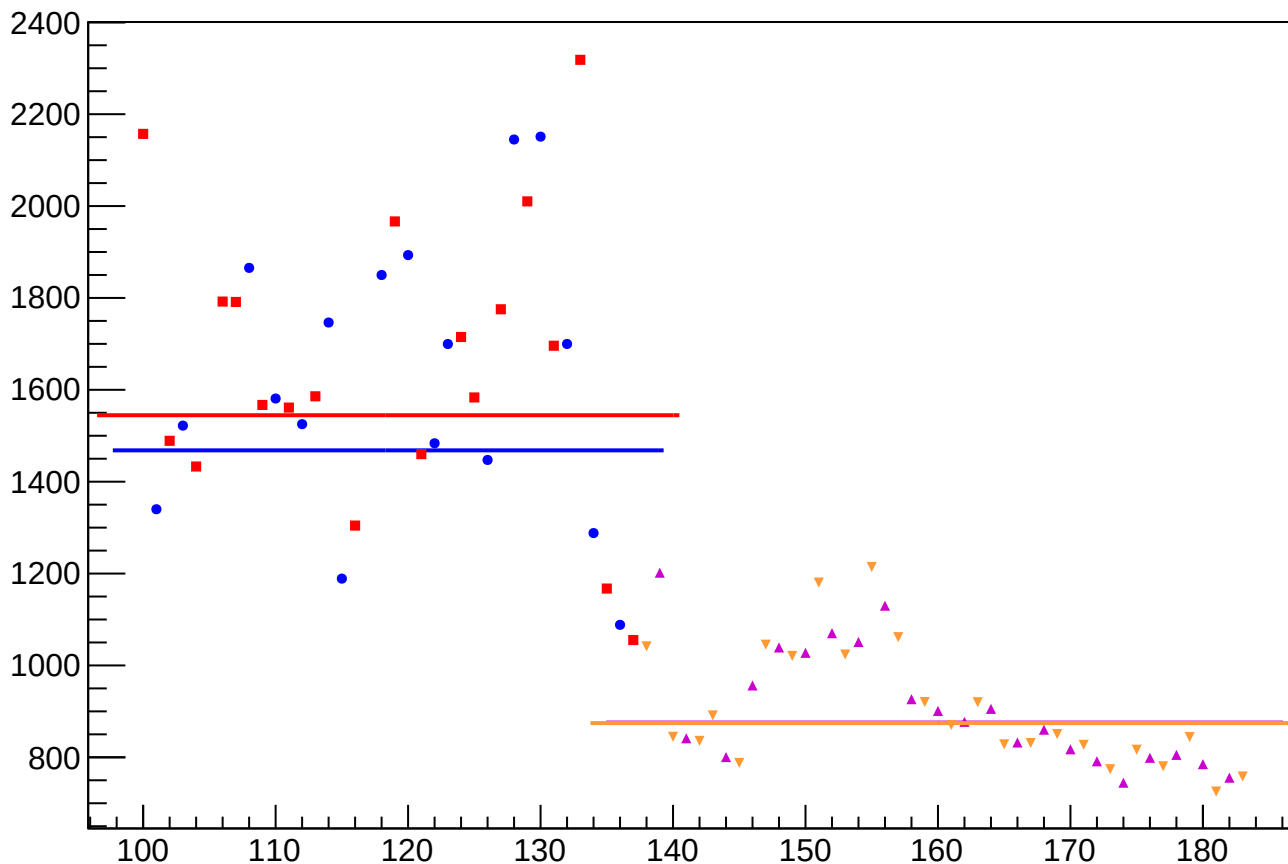
Right: 151.064 $\pm$ 416.195 χ^2 /NDF: 36.9/35

In: 110.280 $\pm$ 200.404 χ^2 /NDF:51.9/38

Out: 698.925 $\pm$ 195.548 χ^2 /NDF:71.3/42

All: 411.821 $\pm$ 139.959 χ^2 /NDF: 127.7/81

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1468.195+/-0.414 χ^2/NDF : 561893.4/16

Left Out: 874.521+/-0.147 χ^2/NDF : 625493.4/23

Right Out: 1544.653+/-0.418 χ^2/NDF : 453342.4/18

Left In: 875.694+/-0.151 χ^2/NDF : 565258.2/21

Left: 875.090+/-0.105 χ^2/NDF : 1190782.7/45

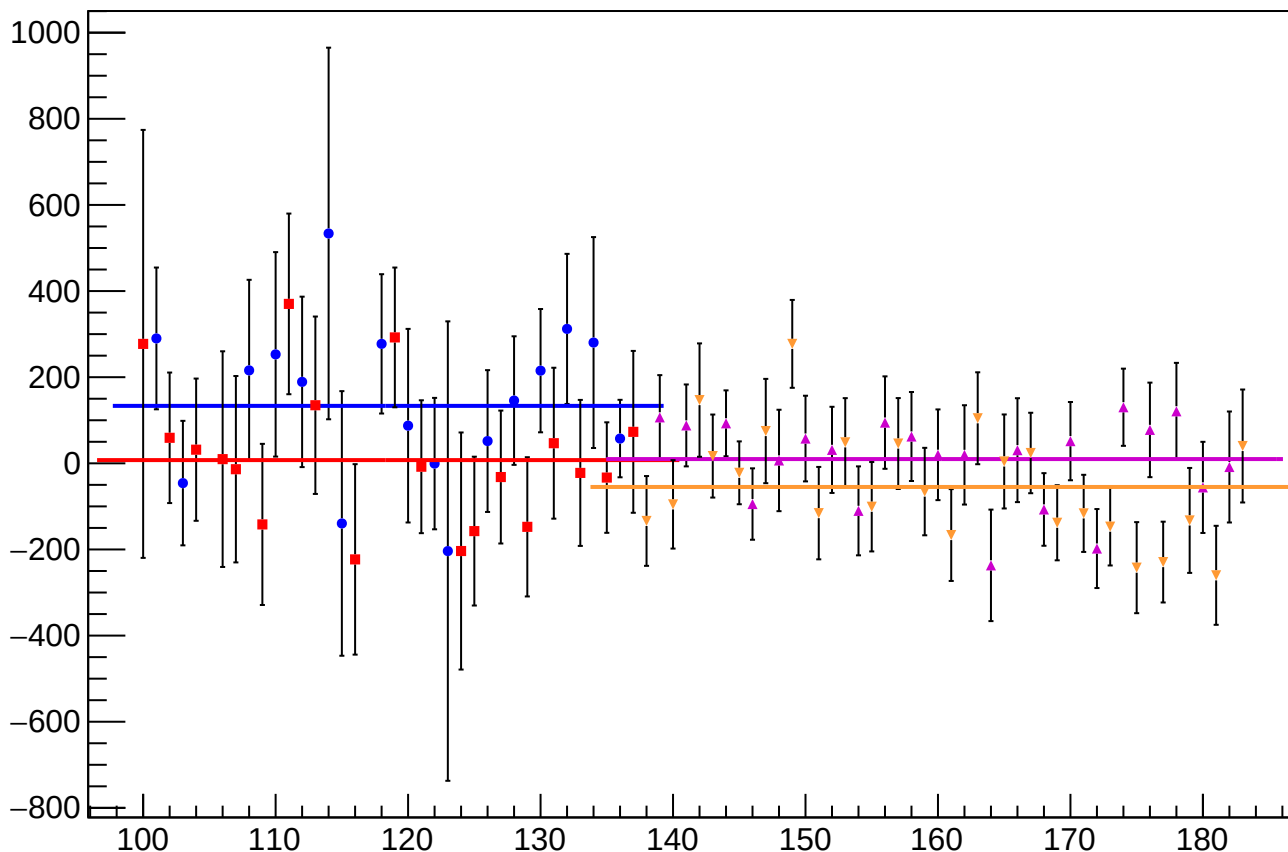
Right: 1506.048+/-0.294 χ^2/NDF : 1032108.6/35

In: 945.057+/-0.142 χ^2/NDF : 2934166.7/38

Out: 947.762+/-0.138 χ^2/NDF : 3365330.3/42

All: 946.442+/-0.099 χ^2/NDF : 6299683.7/81

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 133.408 $\pm$ 41.705 χ^2 /NDF: 9.3/16

Left Out: -54.874 $\pm$ 20.746 χ^2 /NDF:35.5/23

Right Out: 7.495 $\pm$ 41.511 χ^2 /NDF: 11.4/18

Left In: 9.893 $\pm$ 21.373 χ^2 /NDF:21.4/21

Left: -23.456 $\pm$ 14.886 χ^2 /NDF: 61.7/45

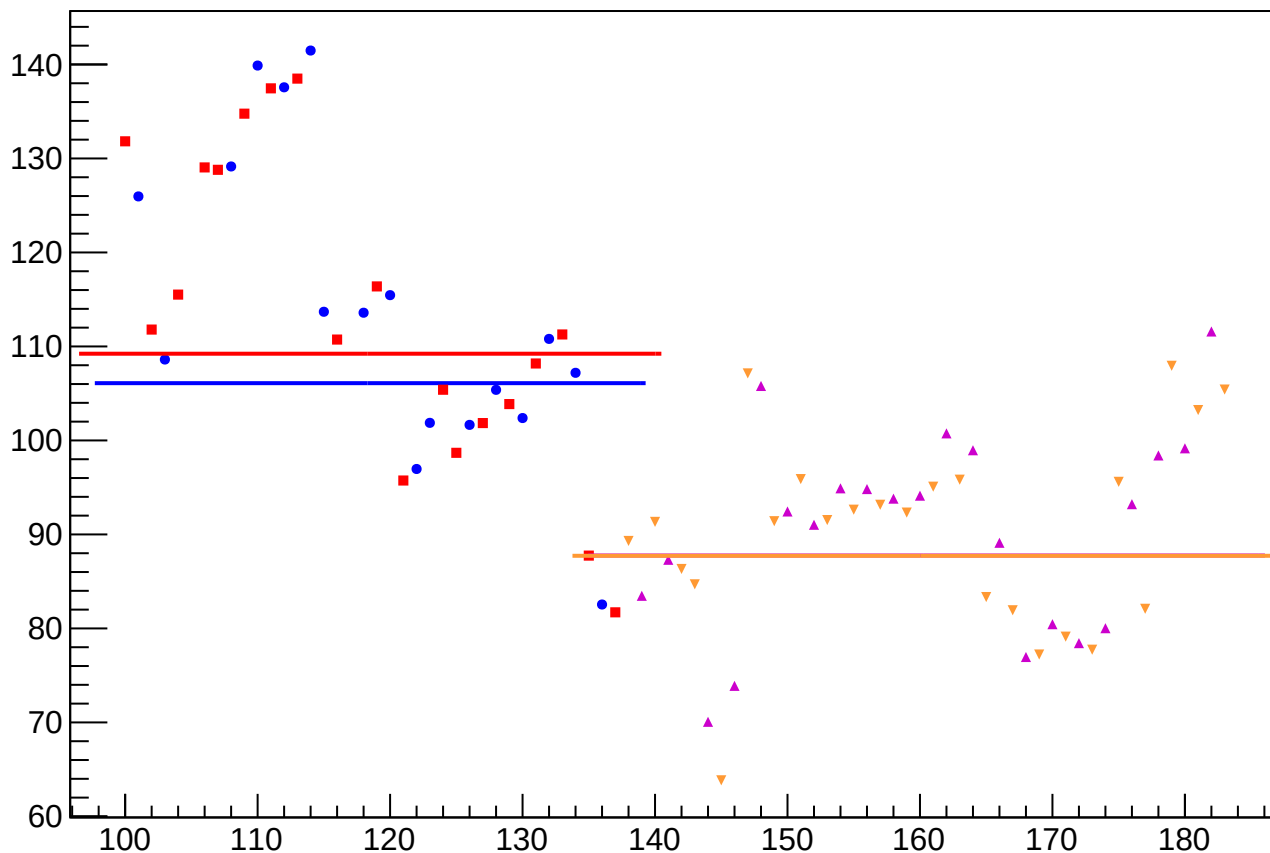
Right: 70.159 $\pm$ 29.421 χ^2 /NDF: 25.3/35

In: 35.586 $\pm$ 19.021 χ^2 /NDF:37.7/38

Out: -42.410 $\pm$ 18.557 χ^2 /NDF:48.7/42

All: -4.374 $\pm$ 13.283 χ^2 /NDF: 95.0/81

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.094 $\pm$ 0.029 χ^2 /NDF: 316104.7/16

Left Out: 87.728 $\pm$ 0.015 χ^2 /NDF: 551631.0/23

Right Out: 109.227 $\pm$ 0.029 χ^2 /NDF: 283569.2/18

Left In: 87.758 $\pm$ 0.015 χ^2 /NDF: 489207.7/21

Left: 87.742 $\pm$ 0.011 χ^2 /NDF: 1040840.8/45

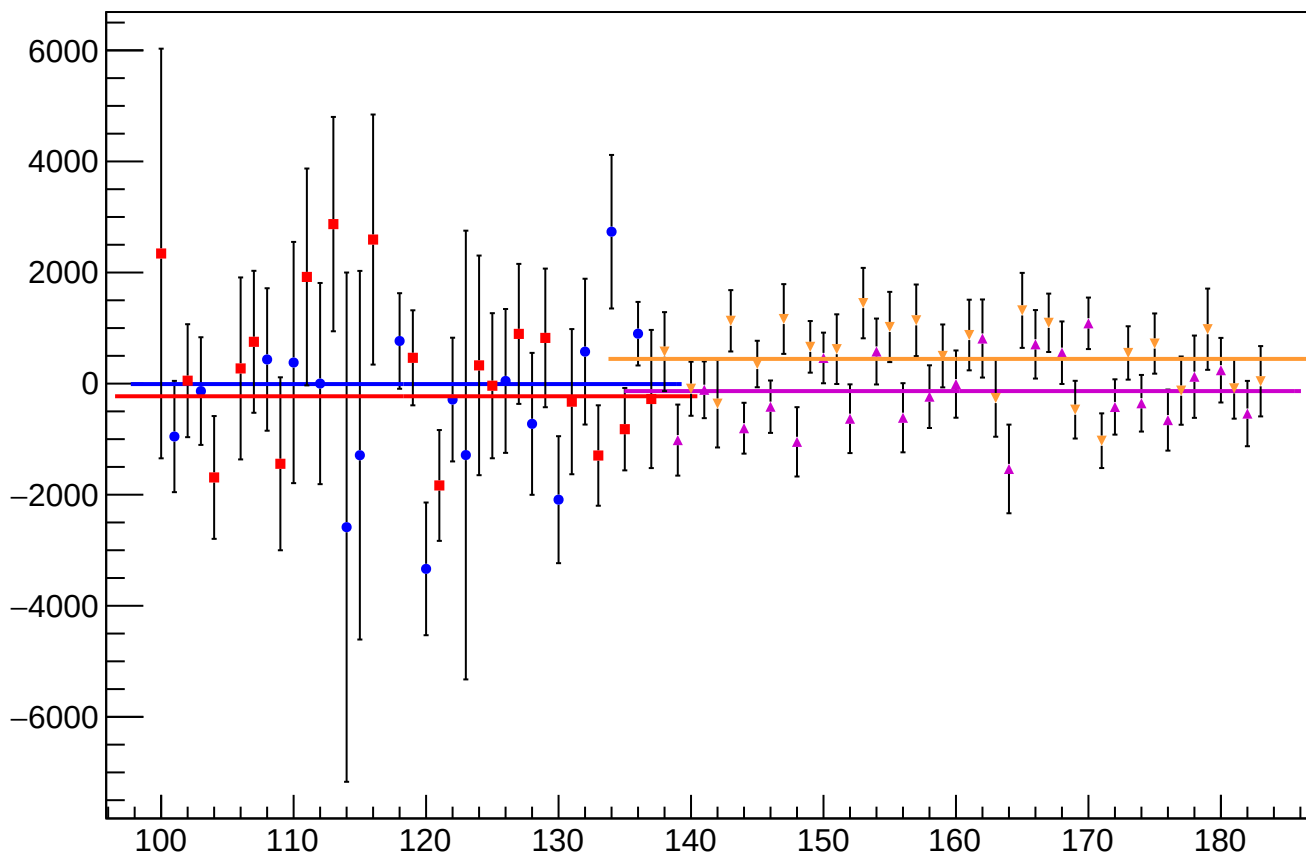
Right: 107.667 $\pm$ 0.021 χ^2 /NDF: 605344.1/35

In: 91.572 $\pm$ 0.013 χ^2 /NDF: 1111478.8/38

Out: 92.024 $\pm$ 0.013 χ^2 /NDF: 1264443.3/42

All: 91.804 $\pm$ 0.009 χ^2 /NDF: 2376500.9/81

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -8.296 ± 284.265 χ^2/NDF : 20.5/16

Left Out: 444.811 ± 116.806 χ^2/NDF : 29.8/23

Right Out: -227.827 ± 280.146 χ^2/NDF : 15.8/18

Left In: -134.667 ± 119.767 χ^2/NDF : 28.6/21

Left: 162.324 ± 83.622 χ^2/NDF : 70.4/45

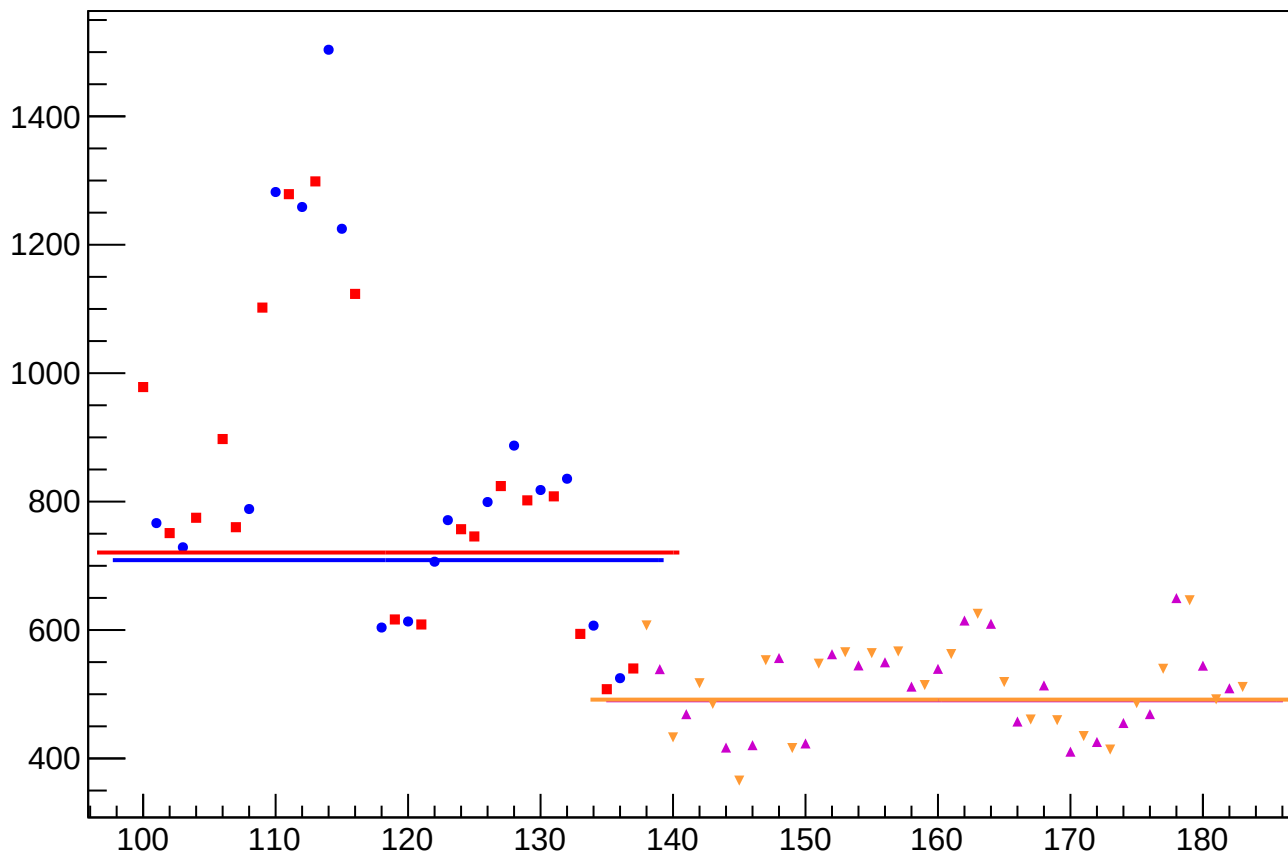
Right: -119.663 ± 199.533 χ^2/NDF : 36.7/35

In: -115.616 ± 110.371 χ^2/NDF : 49.3/38

Out: 345.194 ± 107.810 χ^2/NDF : 50.5/42

All: 120.197 ± 77.123 χ^2/NDF : 108.8/81

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.820 $\pm$ 0.201 χ^2 /NDF: 793495.1/16

Left Out: 491.598 $\pm$ 0.083 χ^2 /NDF: 736430.7/23

Right Out: 720.682 $\pm$ 0.198 χ^2 /NDF: 901856.3/18

Left In: 490.552 $\pm$ 0.085 χ^2 /NDF: 588065.9/21

Left: 491.088 $\pm$ 0.059 χ^2 /NDF: 1324574.7/45

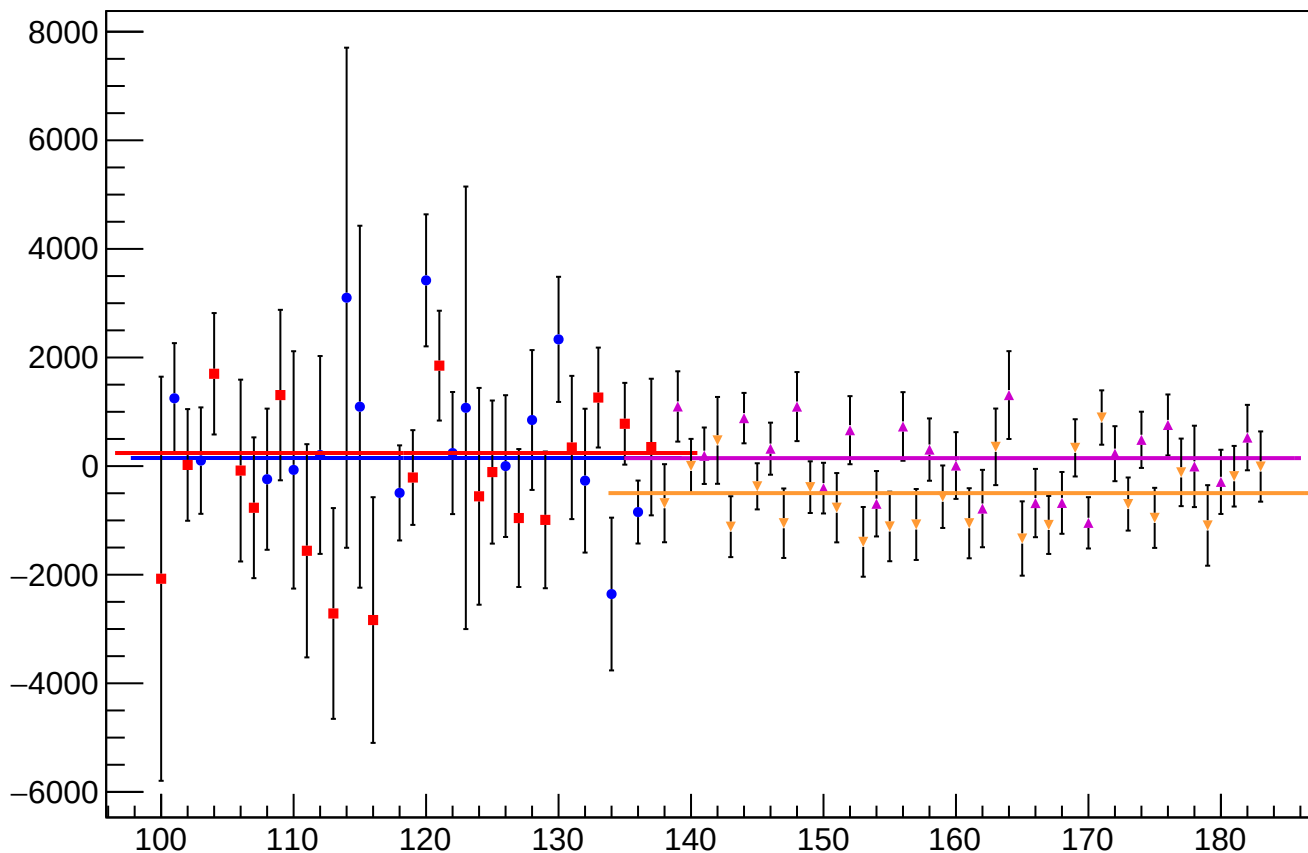
Right: 714.837 $\pm$ 0.141 χ^2 /NDF: 1697118.2/35

In: 523.456 $\pm$ 0.078 χ^2 /NDF: 2382939.5/38

Out: 525.525 $\pm$ 0.076 χ^2 /NDF: 2777592.8/42

All: 524.515 $\pm$ 0.055 χ^2 /NDF: 5160891.8/81

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 149.114 $\pm$ 287.749 χ^2/NDF : 19.7/16

Left Out: -497.504 $\pm$ 118.774 χ^2/NDF :26.4/23

Right Out: 241.208 $\pm$ 283.783 χ^2/NDF : 14.9/18

Left In: 147.002 $\pm$ 121.784 χ^2/NDF :28.6/21

Left: -183.313 $\pm$ 85.030 χ^2/NDF : 69.3/45

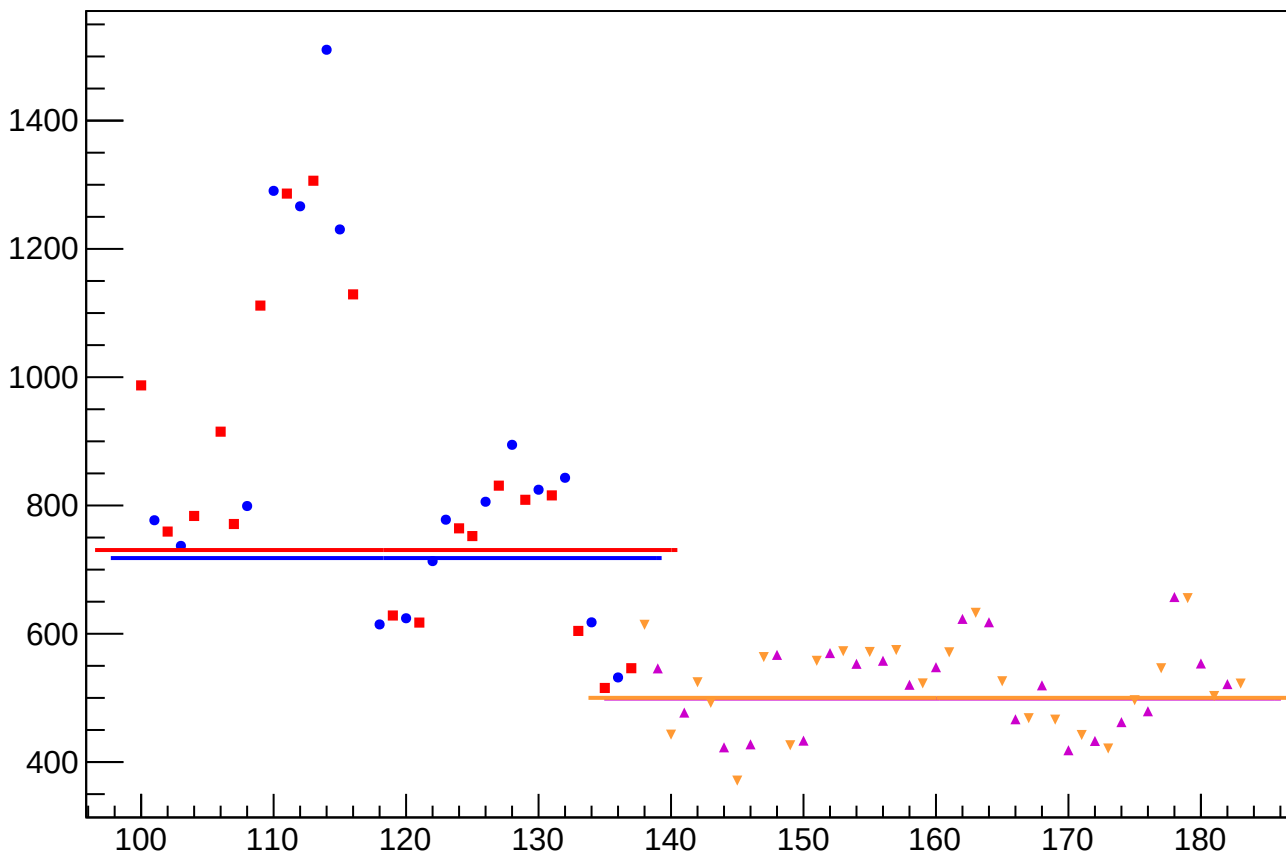
Right: 195.800 $\pm$ 202.053 χ^2/NDF : 34.7/35

In: 147.323 $\pm$ 112.153 χ^2/NDF :48.3/38

Out: -387.390 $\pm$ 109.565 χ^2/NDF :47.0/42

All: -126.274 $\pm$ 78.373 χ^2/NDF : 107.0/81

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 718.014 ± 0.203 $\chi^2/\text{NDF}: 778471.9/16$

Left Out: 500.093 ± 0.084 $\chi^2/\text{NDF}: 720701.2/23$

Right Out: 730.544 ± 0.201 $\chi^2/\text{NDF}: 883666.2/18$

Left In: 498.970 ± 0.086 $\chi^2/\text{NDF}: 574932.4/21$

Left: 499.546 ± 0.060 $\chi^2/\text{NDF}: 1295720.8/45$

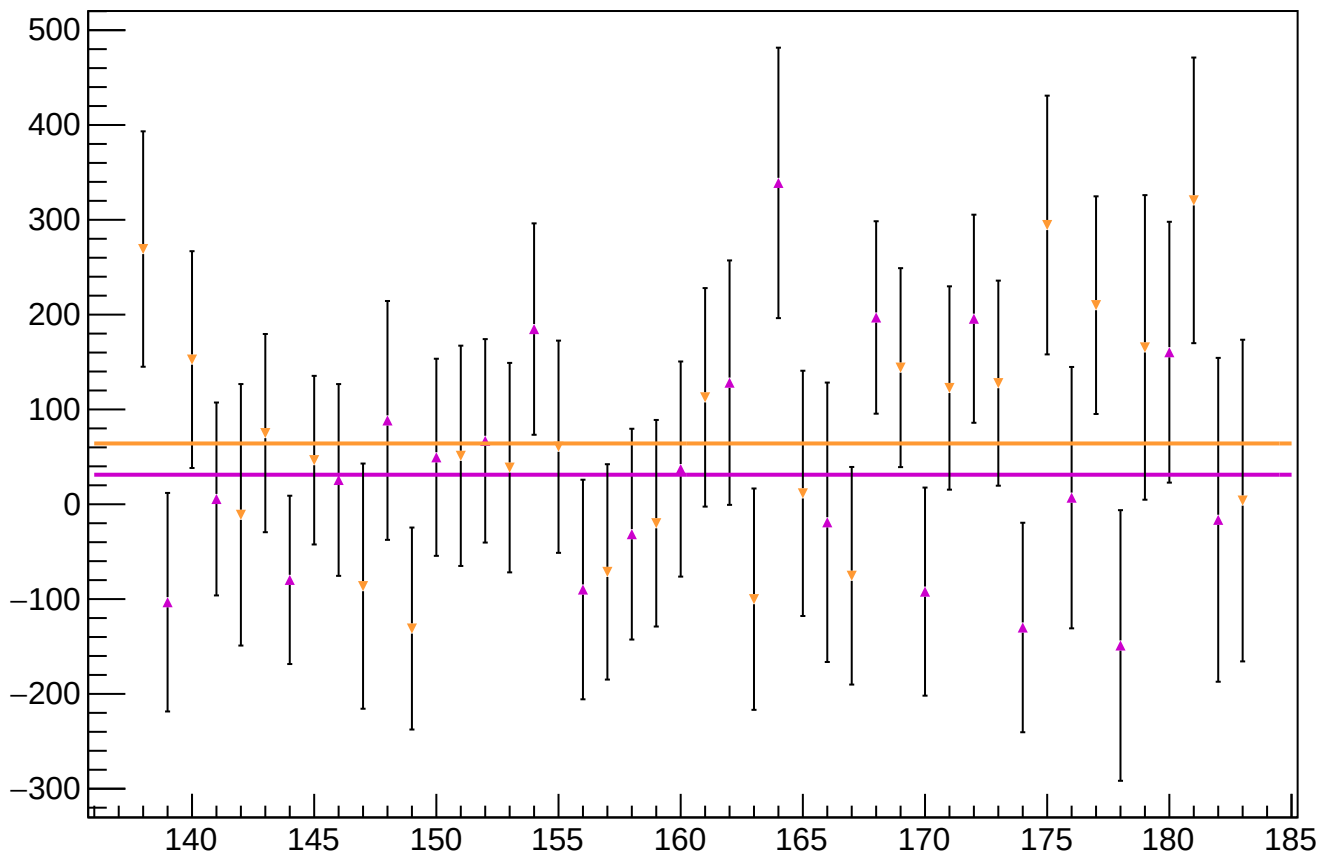
Right: 724.366 ± 0.143 $\chi^2/\text{NDF}: 1664060.5/35$

In: 532.245 ± 0.079 $\chi^2/\text{NDF}: 2336293.1/38$

Out: 534.445 ± 0.077 $\chi^2/\text{NDF}: 2726668.2/42$

All: 533.371 ± 0.055 $\chi^2/\text{NDF}: 5063354.9/81$

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 64.122+/-23.887 χ^2/NDF :23.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 31.156+/-24.677 χ^2/NDF :22.9/21

Left: 48.175+/-17.163 χ^2/NDF : 47.2/45

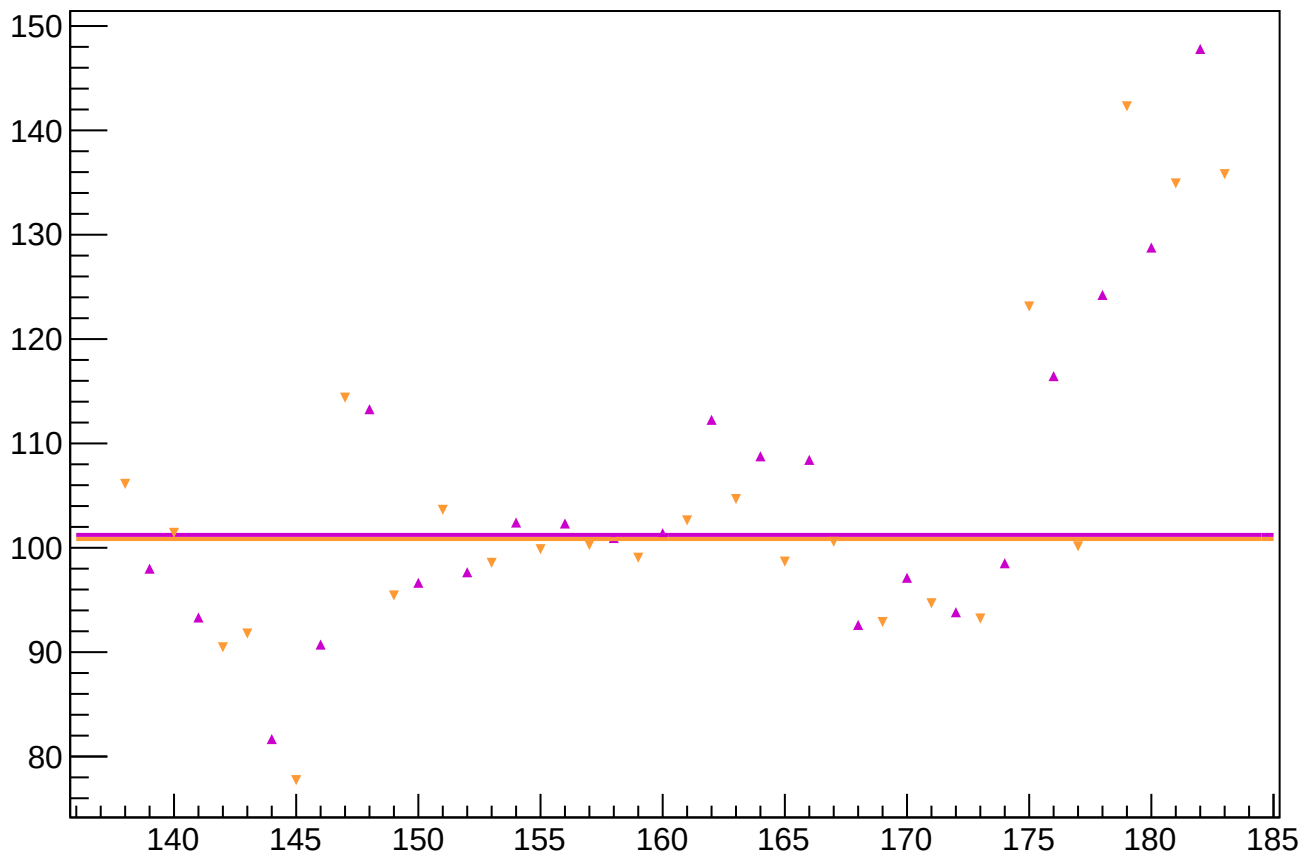
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 31.156+/-24.677 χ^2/NDF :22.9/21

Out: 64.122+/-23.887 χ^2/NDF :23.4/23

All: 48.175+/-17.163 χ^2/NDF : 47.2/45

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 100.837+/-0.017 χ^2/NDF : 600170.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 101.236+/-0.017 χ^2/NDF : 514995.5/21

Left: 101.030+/-0.012 χ^2/NDF : 1115436.2/45

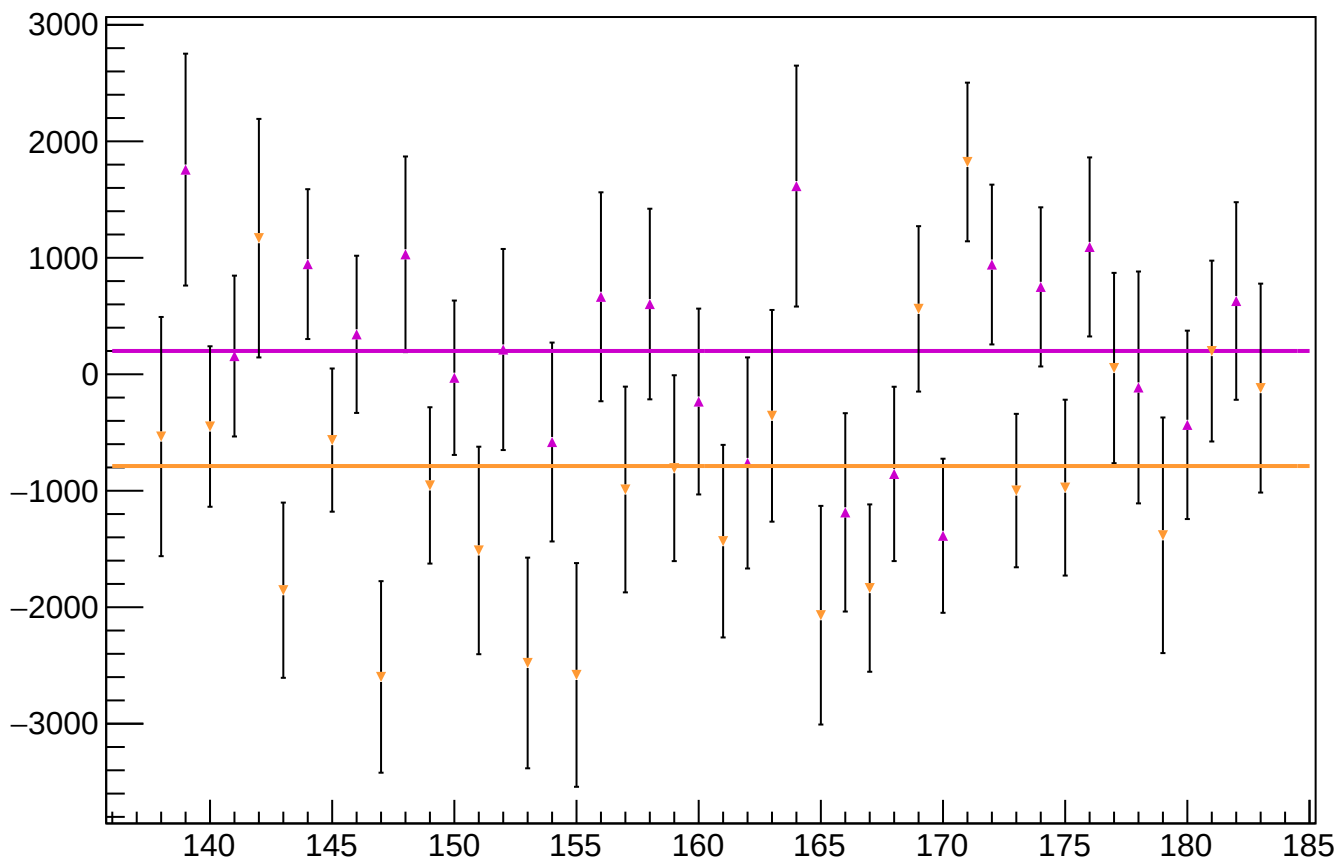
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 101.236+/-0.017 χ^2/NDF : 514995.5/21

Out: 100.837+/-0.017 χ^2/NDF : 600170.9/23

All: 101.030+/-0.012 χ^2/NDF : 1115436.2/45

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -787.704+/-162.510 χ^2/NDF : 45.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 200.149+/-166.836 χ^2/NDF : 24.1/21

Left: -306.753+/-116.411 χ^2/NDF : 87.7/45

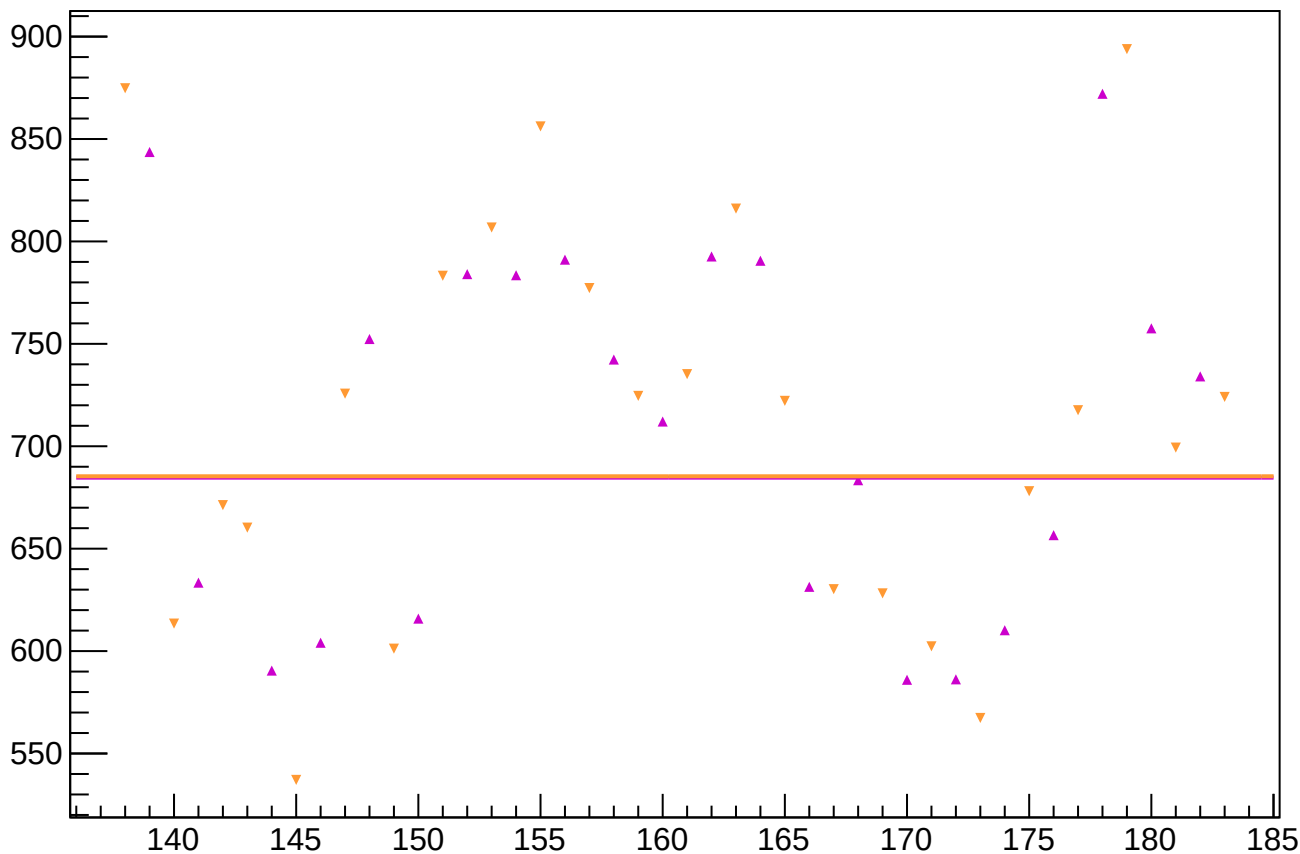
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 200.149+/-166.836 χ^2/NDF : 24.1/21

Out: -787.704+/-162.510 χ^2/NDF : 45.6/23

All: -306.753+/-116.411 χ^2/NDF : 87.7/45

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 685.342+/-0.115 χ^2/NDF : 658058.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 684.679+/-0.118 χ^2/NDF : 525046.4/21

Left: 685.019+/-0.082 χ^2/NDF : 1183121.1/45

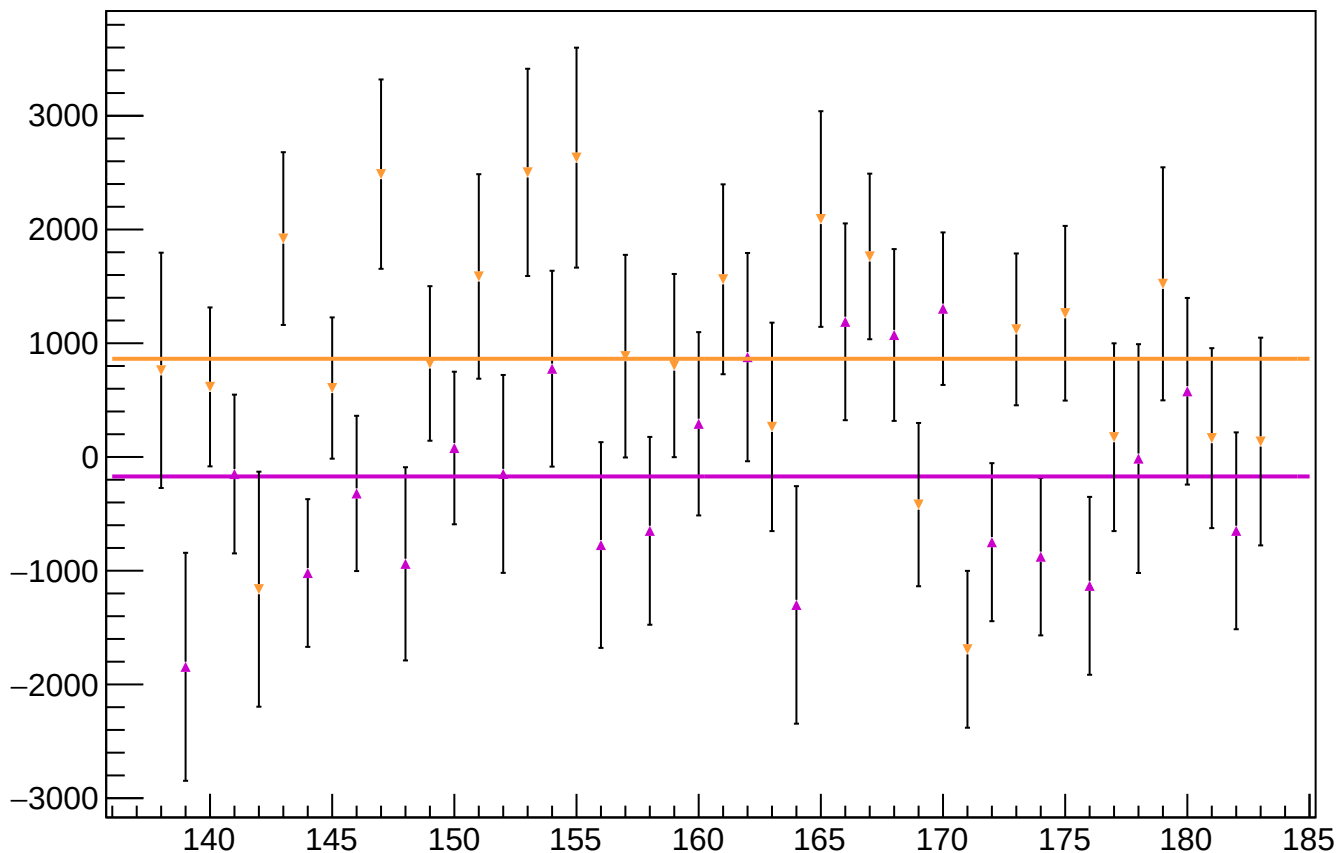
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 684.679+/-0.118 χ^2/NDF : 525046.4/21

Out: 685.342+/-0.115 χ^2/NDF : 658058.5/23

All: 685.019+/-0.082 χ^2/NDF : 1183121.1/45

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 863.485+/-164.421 χ^2/NDF :41.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -171.257+/-168.802 χ^2/NDF :24.7/21

Left: 359.715+/-117.782 χ^2/NDF : 85.3/45

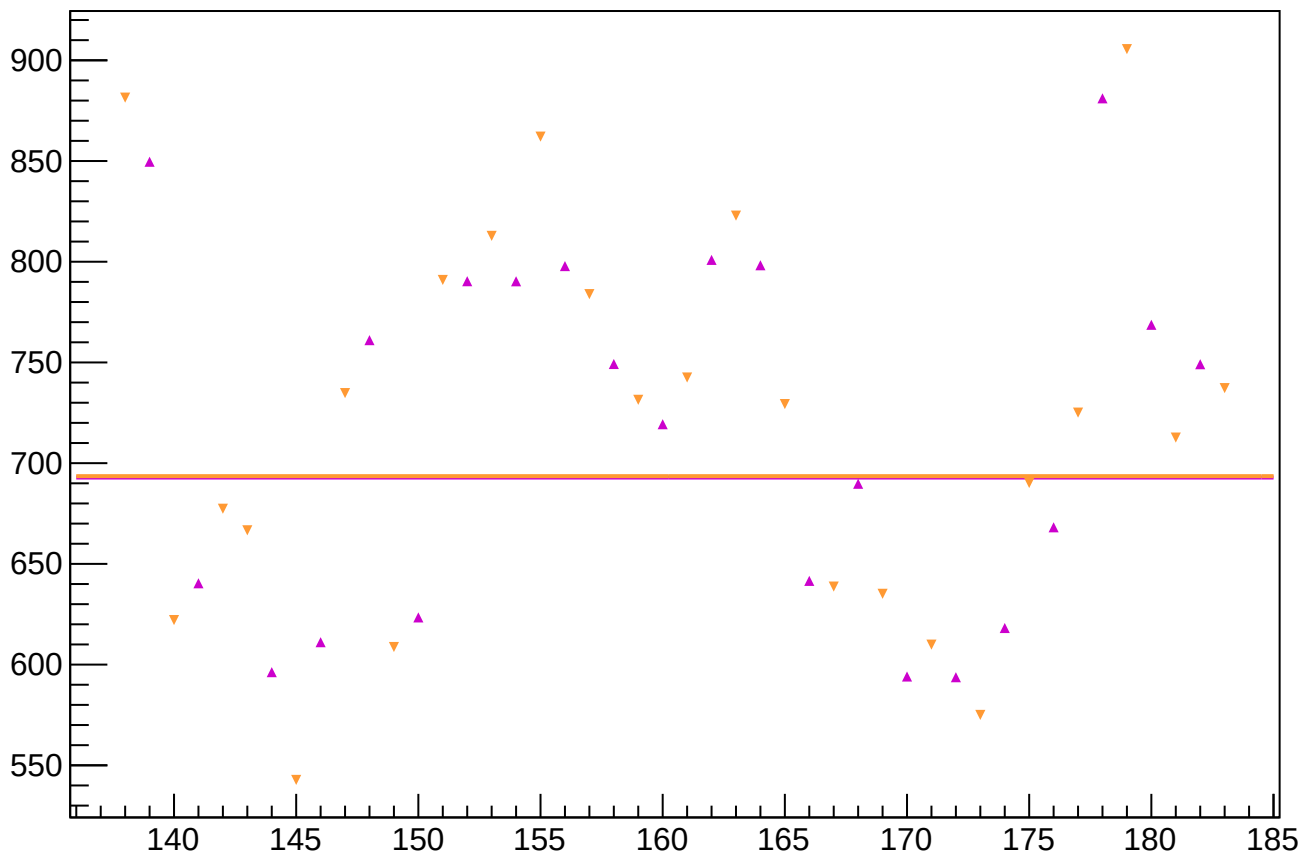
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -171.257+/-168.802 χ^2/NDF :24.7/21

Out: 863.485+/-164.421 χ^2/NDF :41.3/23

All: 359.715+/-117.782 χ^2/NDF : 85.3/45

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 693.554+/-0.116 χ^2/NDF : 648349.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 692.865+/-0.119 χ^2/NDF : 516896.6/21

Left: 693.218+/-0.083 χ^2/NDF : 1165263.6/45

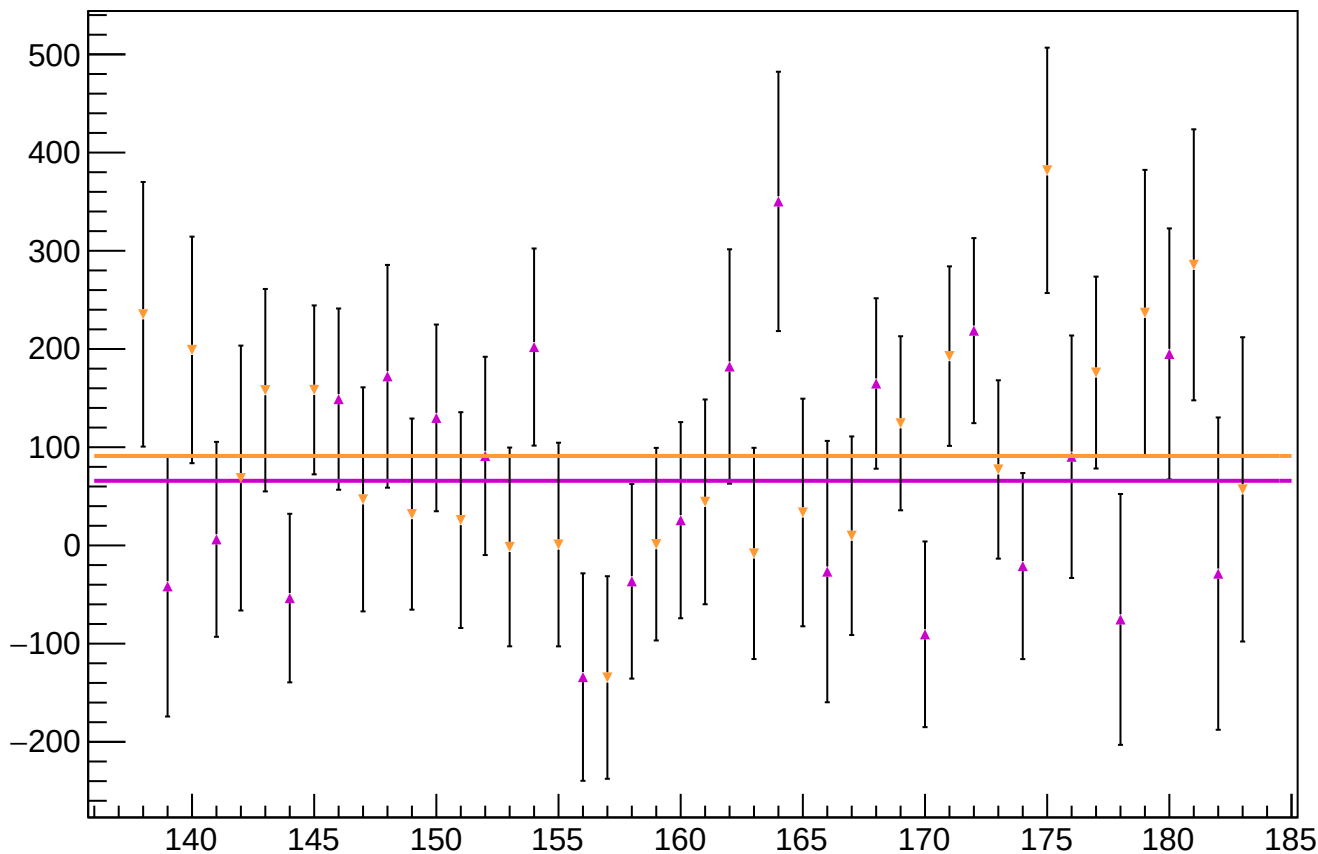
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 692.865+/-0.119 χ^2/NDF : 516896.6/21

Out: 693.554+/-0.116 χ^2/NDF : 648349.8/23

All: 693.218+/-0.083 χ^2/NDF : 1165263.6/45

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 91.105 $\pm$ 21.831 χ^2 /NDF:23.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 65.817 $\pm$ 22.531 χ^2 /NDF:28.0/21

Left: 78.860 $\pm$ 15.679 χ^2 /NDF: 52.4/45

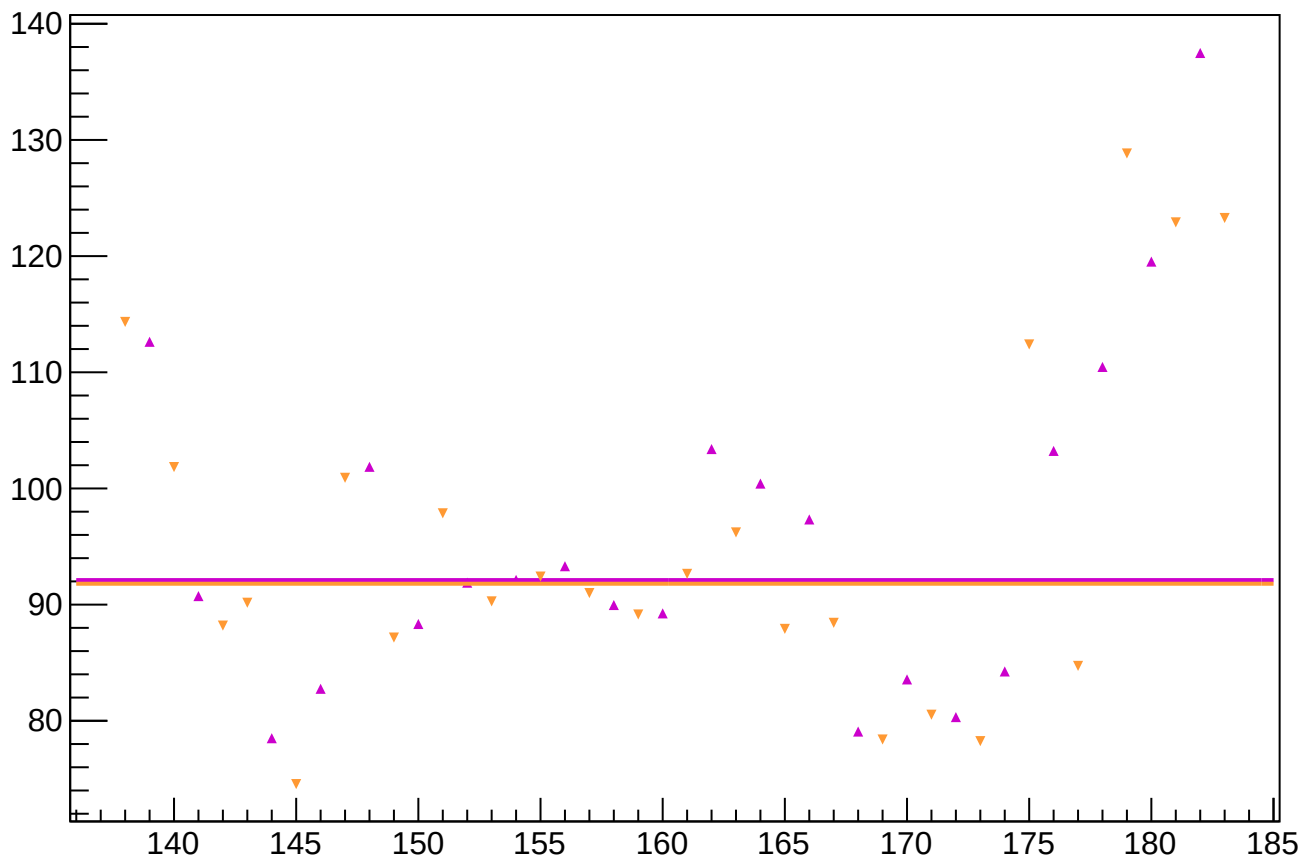
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 65.817 $\pm$ 22.531 χ^2 /NDF:28.0/21

Out: 91.105 $\pm$ 21.831 χ^2 /NDF:23.7/23

All: 78.860 $\pm$ 15.679 χ^2 /NDF: 52.4/45

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 91.798+/-0.015 χ^2/NDF : 686454.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 92.113+/-0.016 χ^2/NDF : 587858.1/21

Left: 91.950+/-0.011 χ^2/NDF : 1274513.1/45

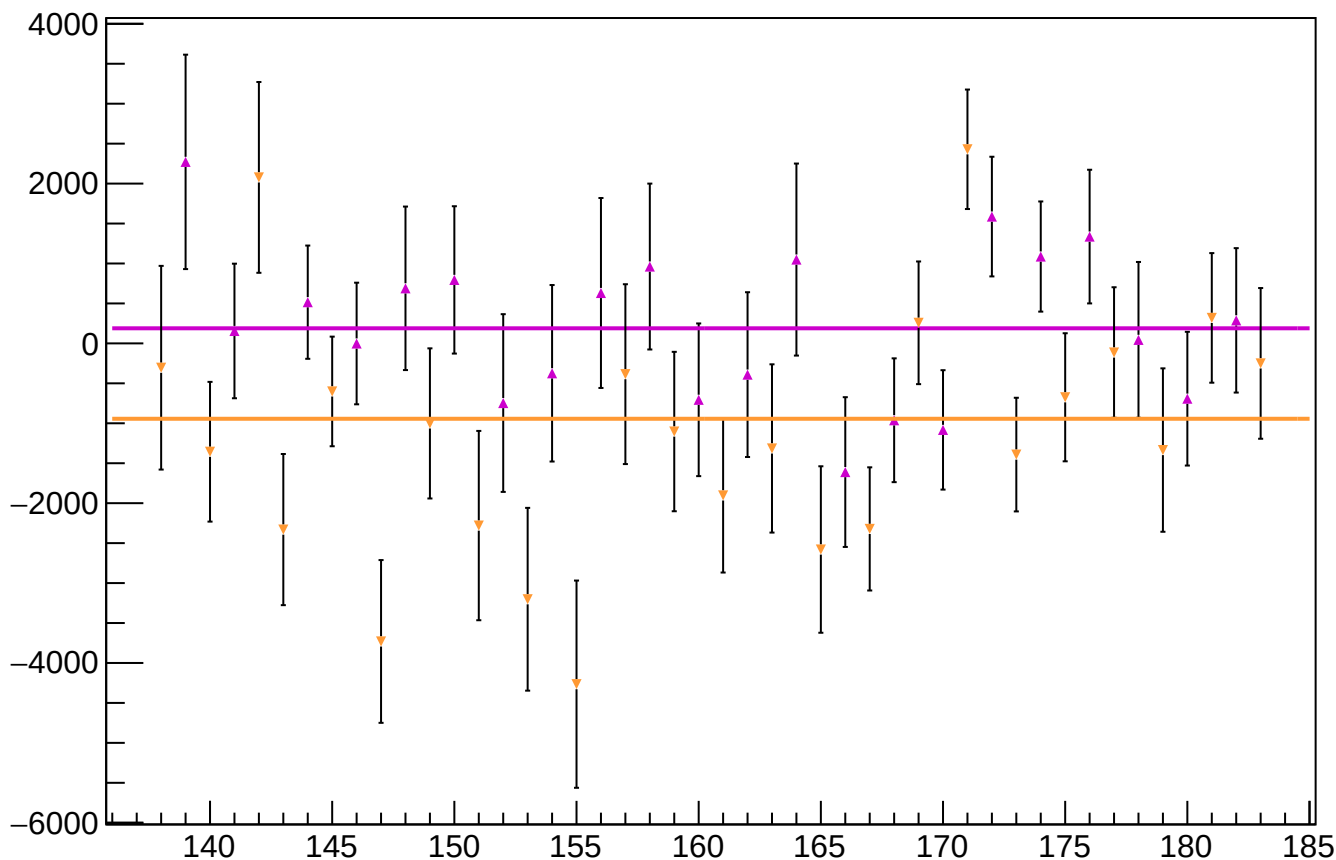
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 92.113+/-0.016 χ^2/NDF : 587858.1/21

Out: 91.798+/-0.015 χ^2/NDF : 686454.1/23

All: 91.950+/-0.011 χ^2/NDF : 1274513.1/45

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -943.481+/-187.230 χ^2/NDF :63.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 188.756+/-190.972 χ^2/NDF :23.7/21

Left: -388.563+/-133.695 χ^2/NDF : 104.6/45

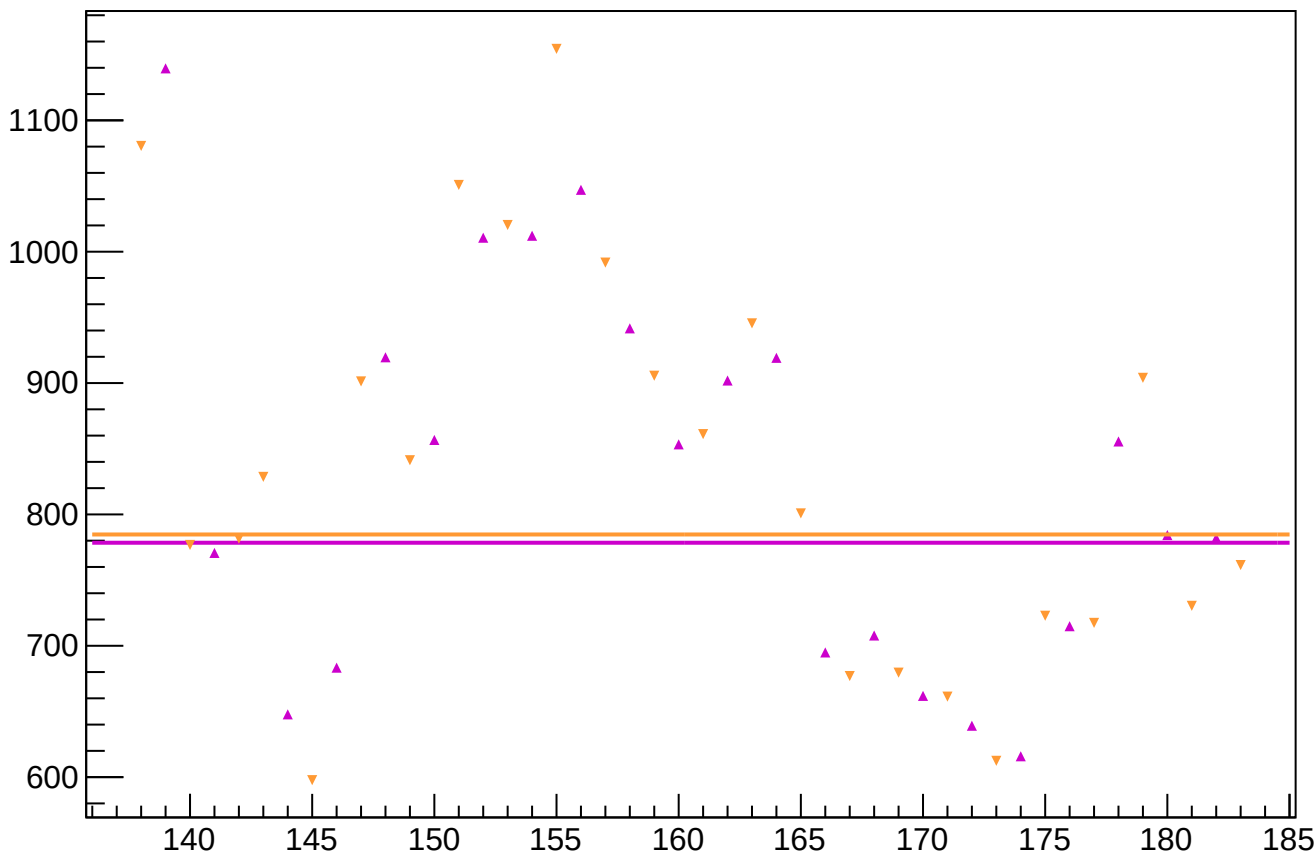
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 188.756+/-190.972 χ^2/NDF :23.7/21

Out: -943.481+/-187.230 χ^2/NDF :63.0/23

All: -388.563+/-133.695 χ^2/NDF : 104.6/45

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 784.733+/-0.132 χ^2/NDF :1110415.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 778.442+/-0.135 χ^2/NDF :979158.5/21

Left: 781.649+/-0.095 χ^2/NDF : 2090680.7/45

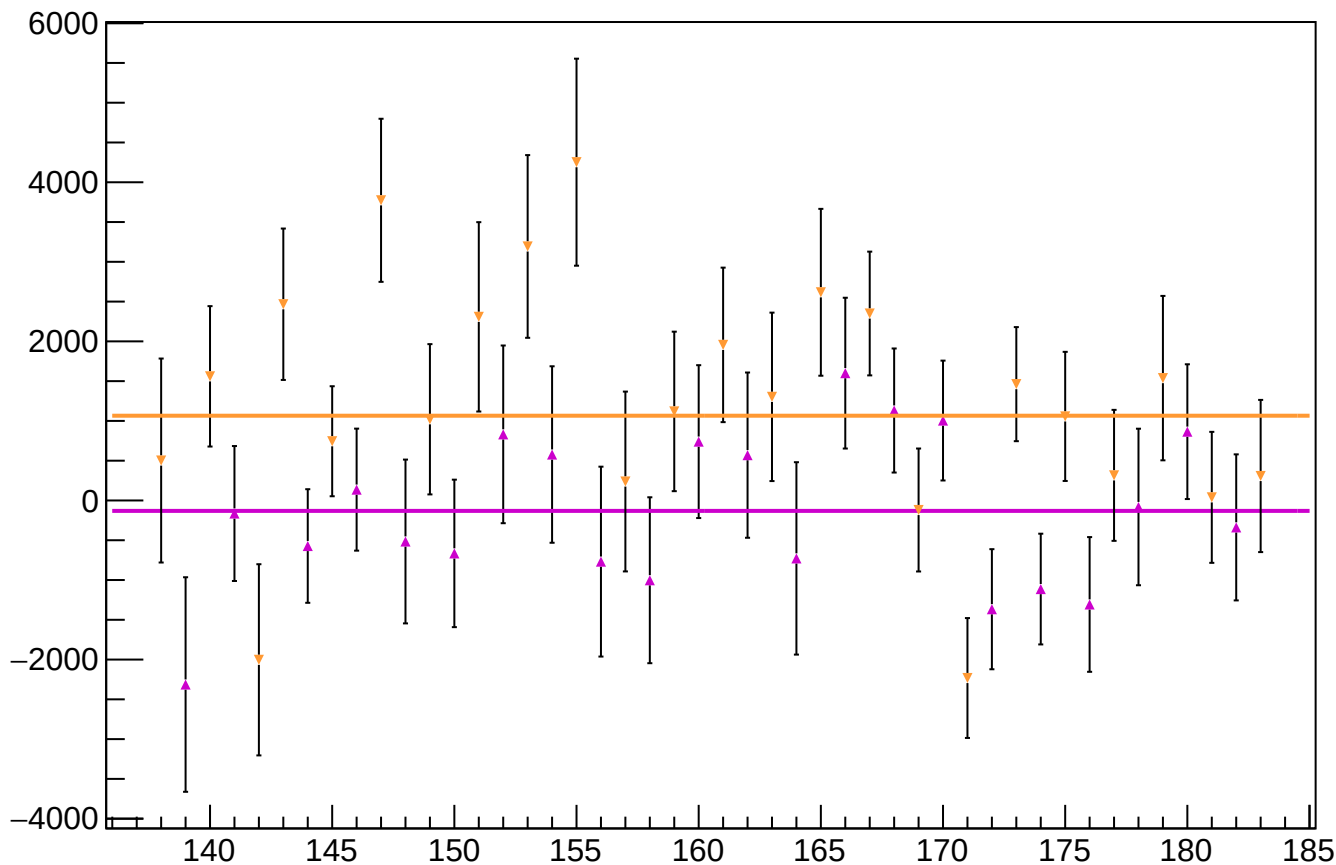
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 778.442+/-0.135 χ^2/NDF :979158.5/21

Out: 784.733+/-0.132 χ^2/NDF :1110415.6/23

All: 781.649+/-0.095 χ^2/NDF : 2090680.7/45

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1065.431+/-188.715 χ^2/NDF :58.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -131.074+/-192.500 χ^2/NDF :23.5/21

Left: 479.058+/-134.760 χ^2/NDF : 101.5/45

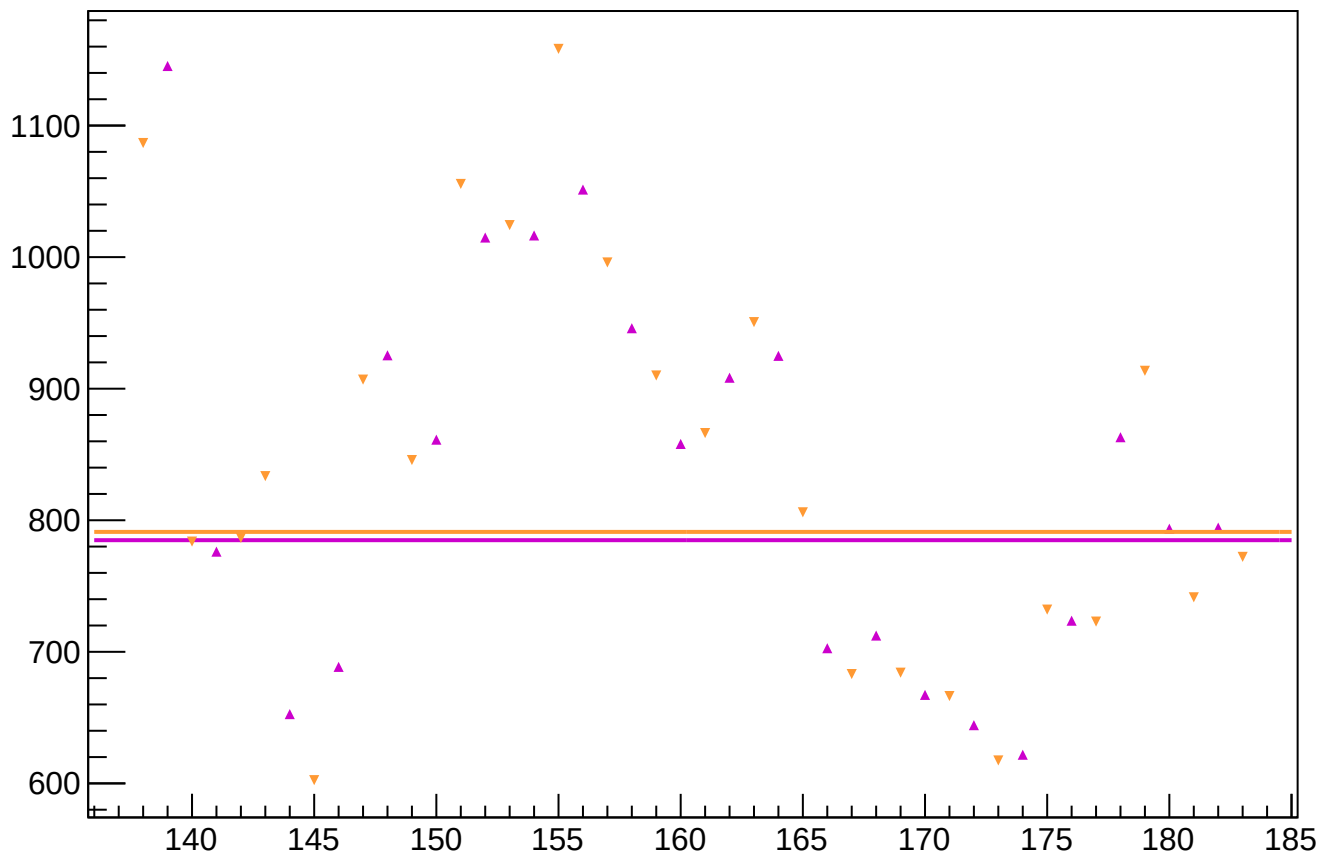
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -131.074+/-192.500 χ^2/NDF :23.5/21

Out: 1065.431+/-188.715 χ^2/NDF :58.3/23

All: 479.058+/-134.760 χ^2/NDF : 101.5/45

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 791.157+/-0.133 χ^2/NDF :1093128.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 784.854+/-0.136 χ^2/NDF :963906.4/21

Left: 788.068+/-0.095 χ^2/NDF : 2058127.7/45

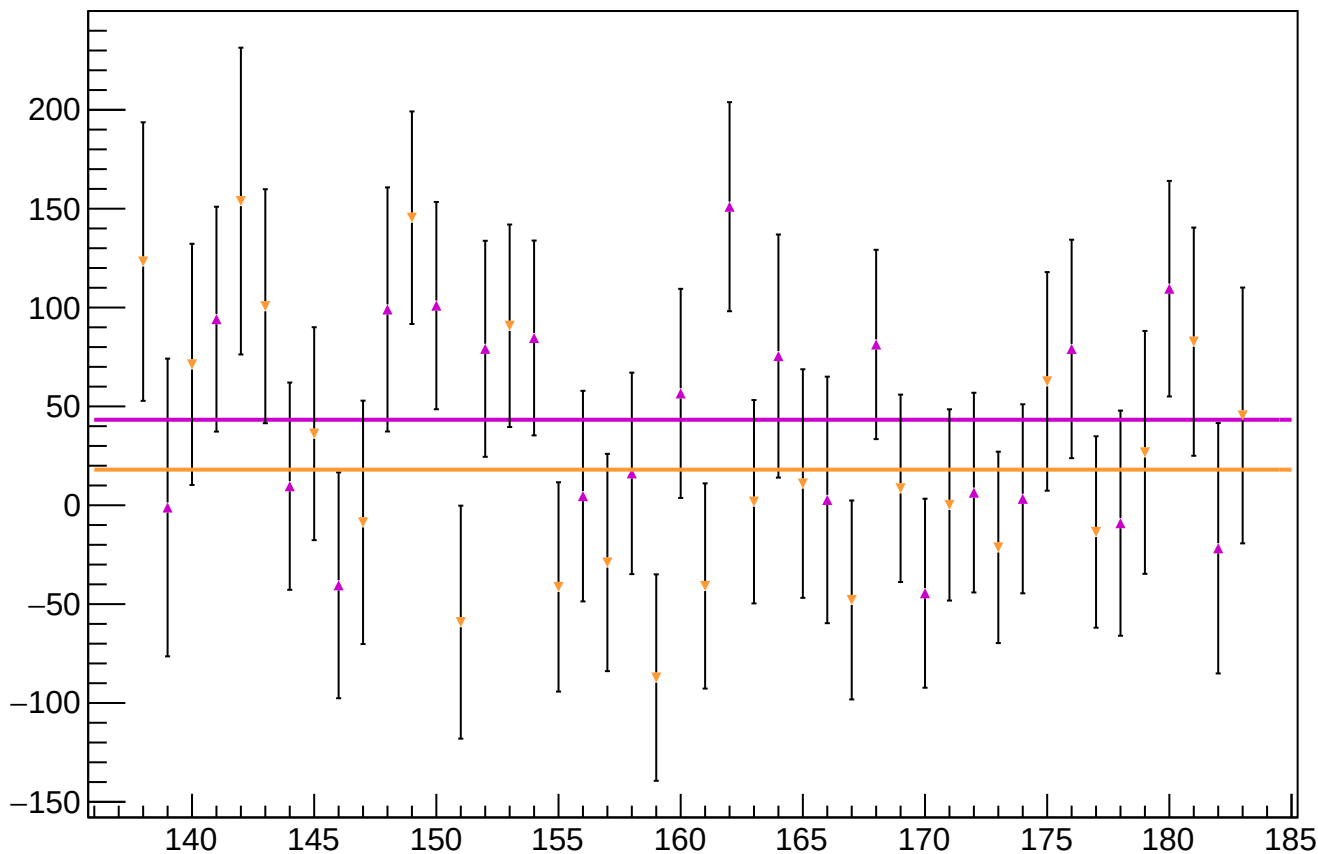
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 784.854+/-0.136 χ^2/NDF :963906.4/21

Out: 791.157+/-0.133 χ^2/NDF :1093128.2/23

All: 788.068+/-0.095 χ^2/NDF : 2058127.7/45

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 18.010 $\pm$ 11.249 χ^2 /NDF:30.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 43.253 $\pm$ 11.601 χ^2 /NDF:21.6/21

Left: 30.242 $\pm$ 8.076 χ^2 /NDF: 54.3/45

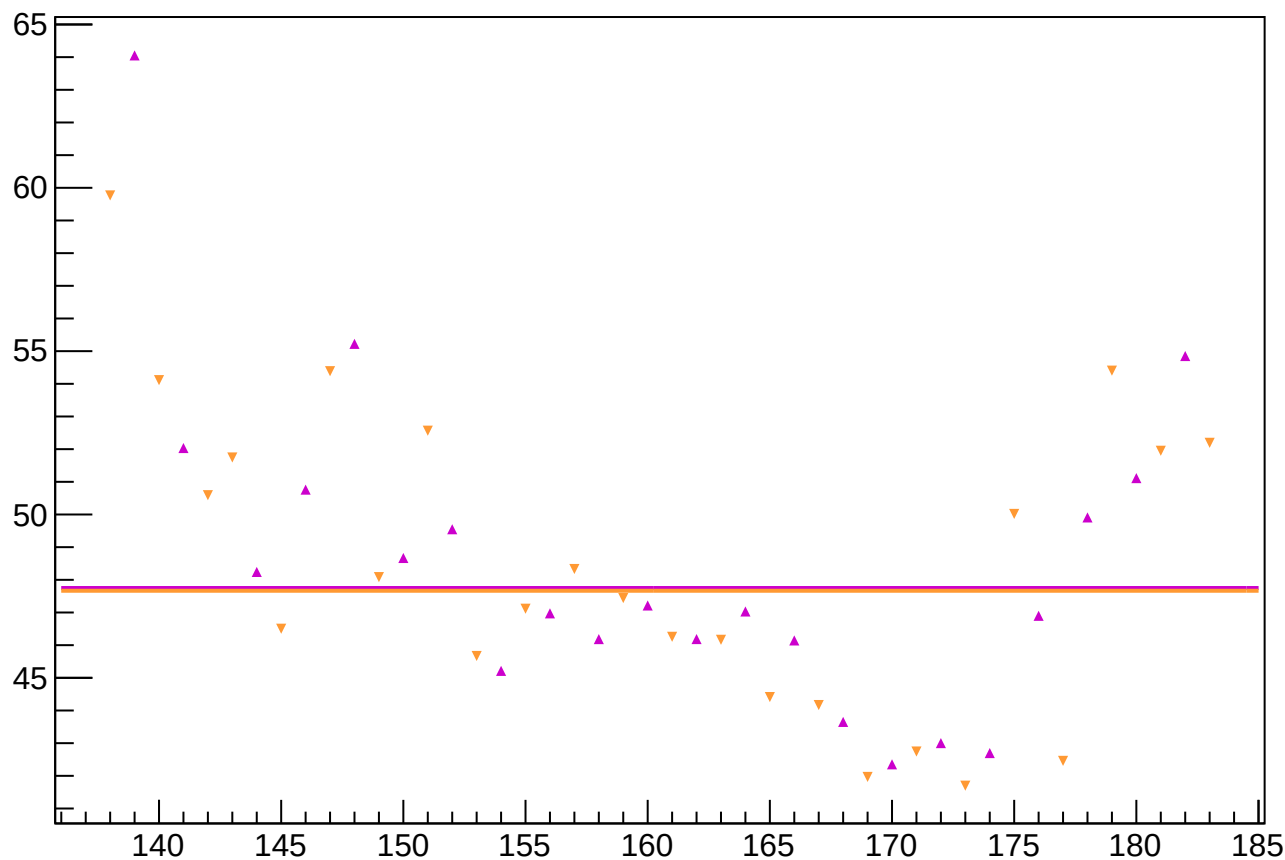
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 43.253 $\pm$ 11.601 χ^2 /NDF:21.6/21

Out: 18.010 $\pm$ 11.249 χ^2 /NDF:30.2/23

All: 30.242 $\pm$ 8.076 χ^2 /NDF: 54.3/45

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 47.666+/-0.008 χ^2/NDF :306901.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 47.749+/-0.008 χ^2/NDF :270424.9/21

Left: 47.706+/-0.006 χ^2/NDF : 577379.7/45

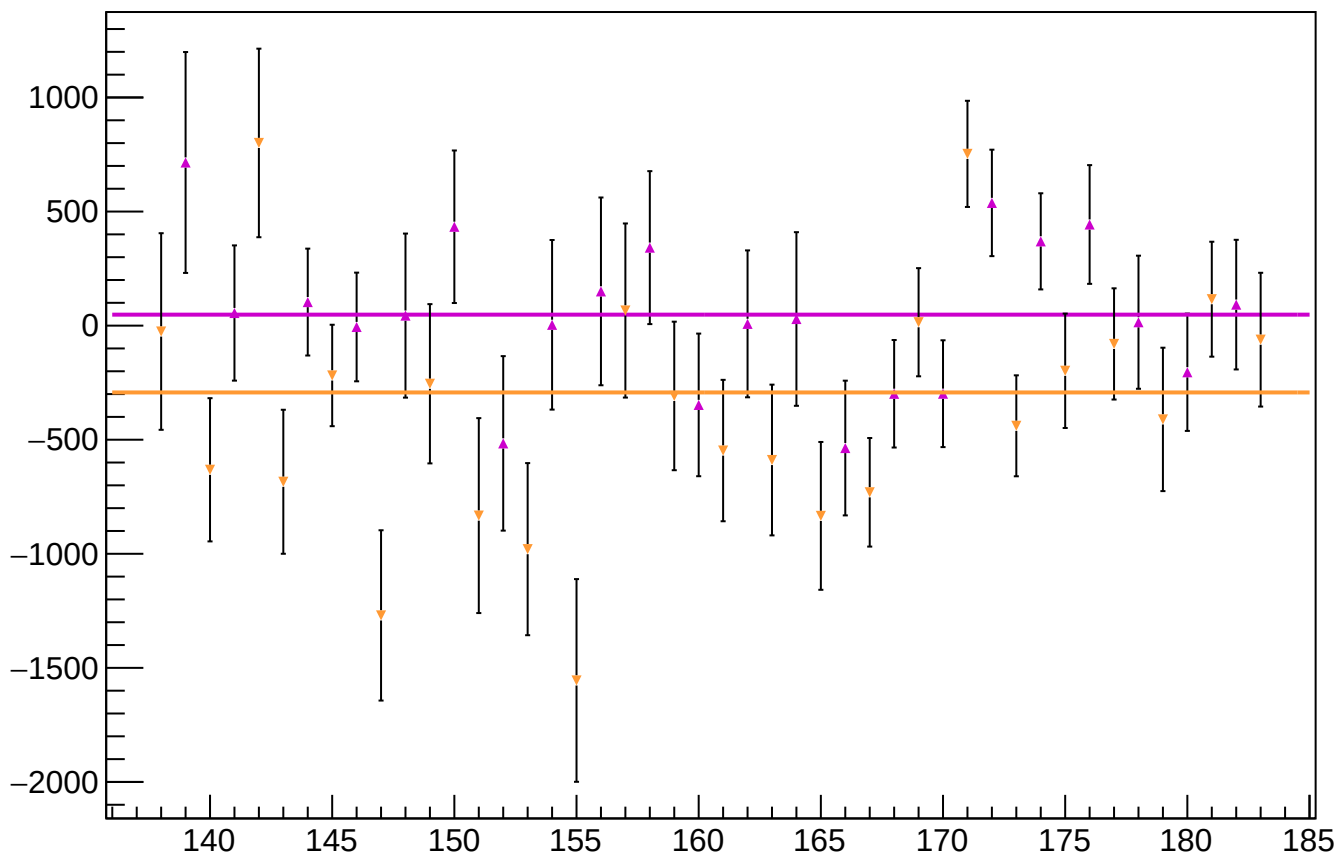
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.749+/-0.008 χ^2/NDF :270424.9/21

Out: 47.666+/-0.008 χ^2/NDF :306901.4/23

All: 47.706+/-0.006 χ^2/NDF : 577379.7/45

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -292.851 $\pm$ 60.339 χ^2 /NDF:65.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 48.129 $\pm$ 61.252 χ^2 /NDF:26.3/21

Left: -124.923 $\pm$ 42.985 χ^2 /NDF: 107.2/45

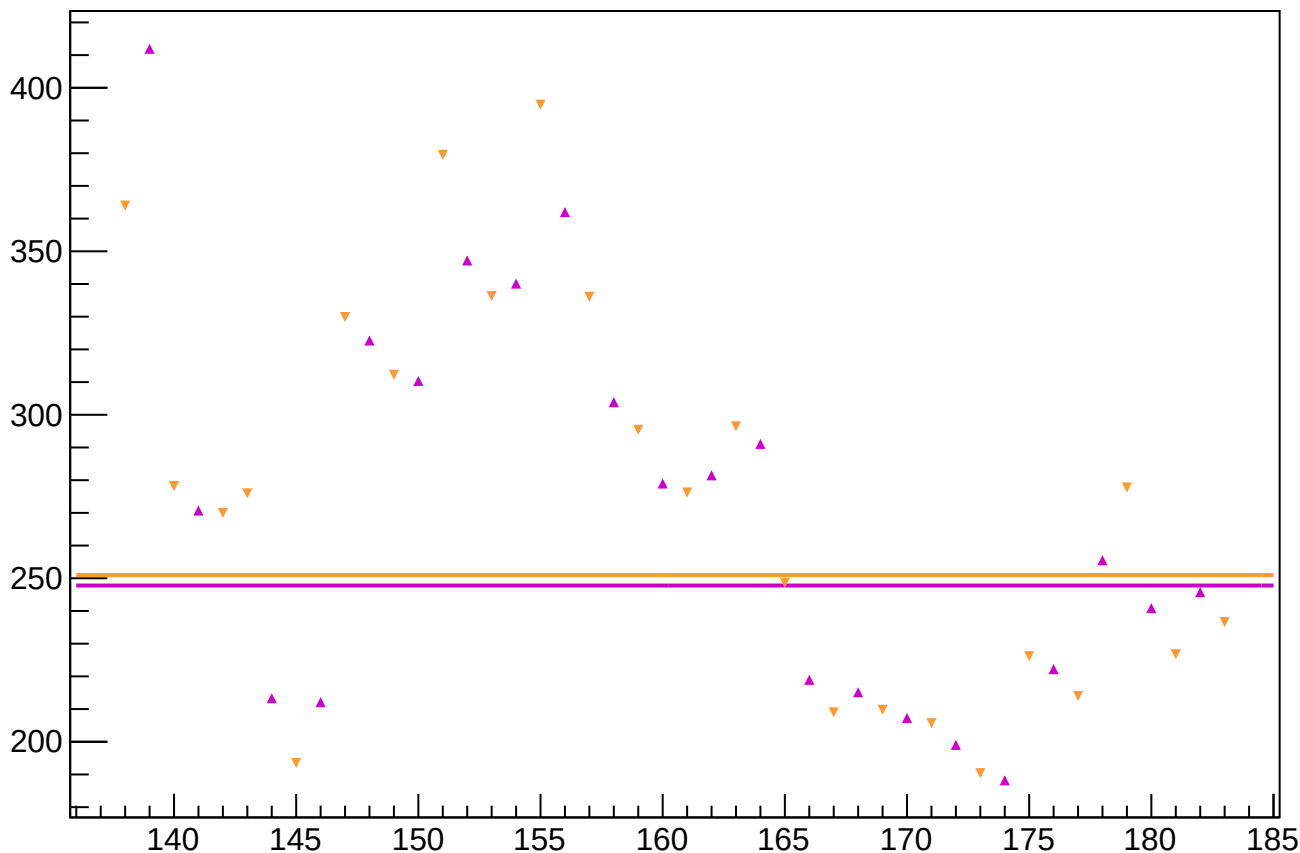
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 48.129 $\pm$ 61.252 χ^2 /NDF:26.3/21

Out: -292.851 $\pm$ 60.339 χ^2 /NDF:65.2/23

All: -124.923 $\pm$ 42.985 χ^2 /NDF: 107.2/45

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 250.983+/-0.043 χ^2/NDF :1587135.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 247.782+/-0.043 χ^2/NDF :1410242.3/21

Left: 249.407+/-0.030 χ^2/NDF : 3000150.4/45

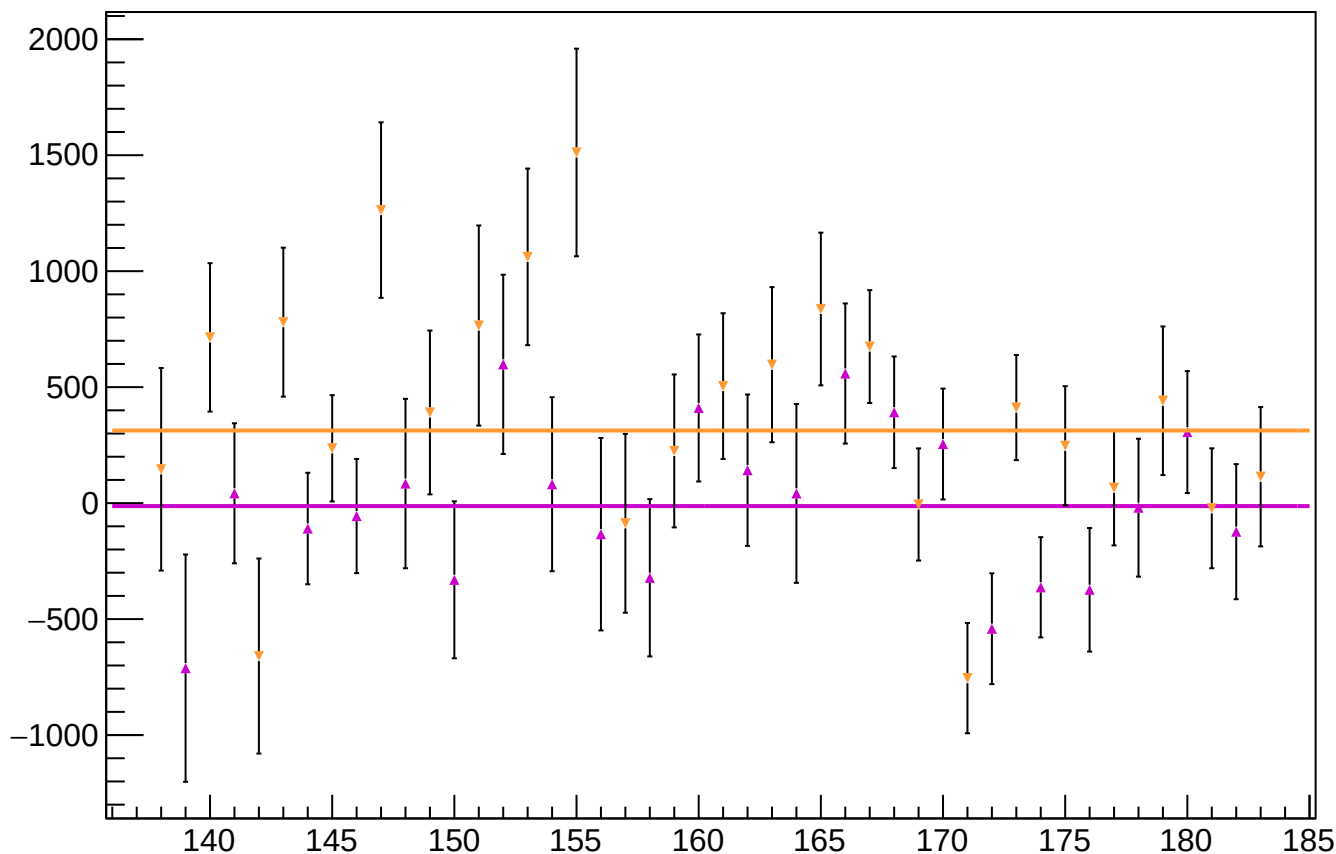
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 247.782+/-0.043 χ^2/NDF :1410242.3/21

Out: 250.983+/-0.043 χ^2/NDF :1587135.5/23

All: 249.407+/-0.030 χ^2/NDF : 3000150.4/45

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 313.062+/-61.518 χ^2/NDF :60.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -12.818+/-62.505 χ^2/NDF :27.4/21

Left: 152.718+/-43.845 χ^2/NDF : 101.4/45

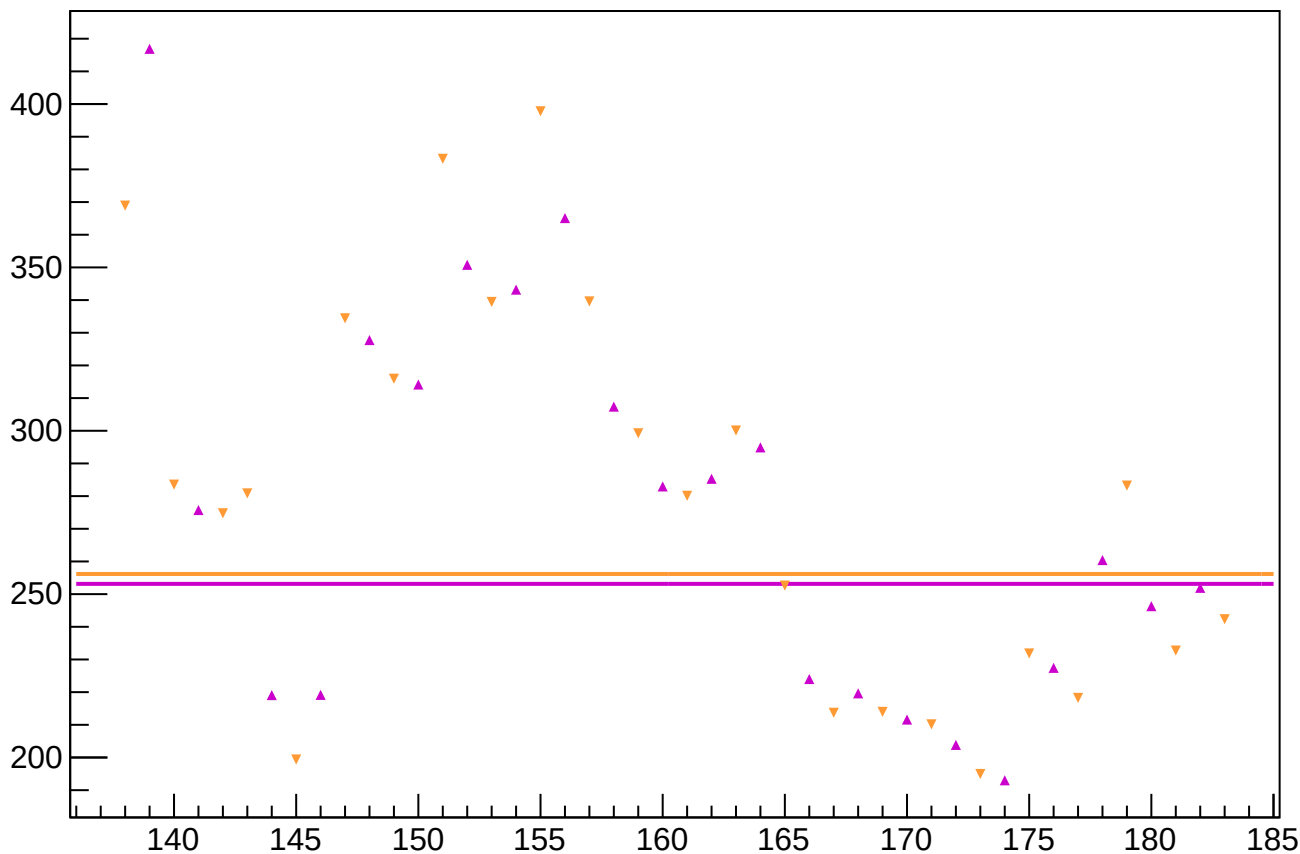
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.818+/-62.505 χ^2/NDF :27.4/21

Out: 313.062+/-61.518 χ^2/NDF :60.2/23

All: 152.718+/-43.845 χ^2/NDF : 101.4/45

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

Left Out: 256.170 +/- 0.043 χ^2/NDF : 1515470.6/23

Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

Left In: 253.142 +/- 0.044 χ^2/NDF : 1340981.9/21

Left: 254.680 +/- 0.031 χ^2/NDF : 2858836.4/45

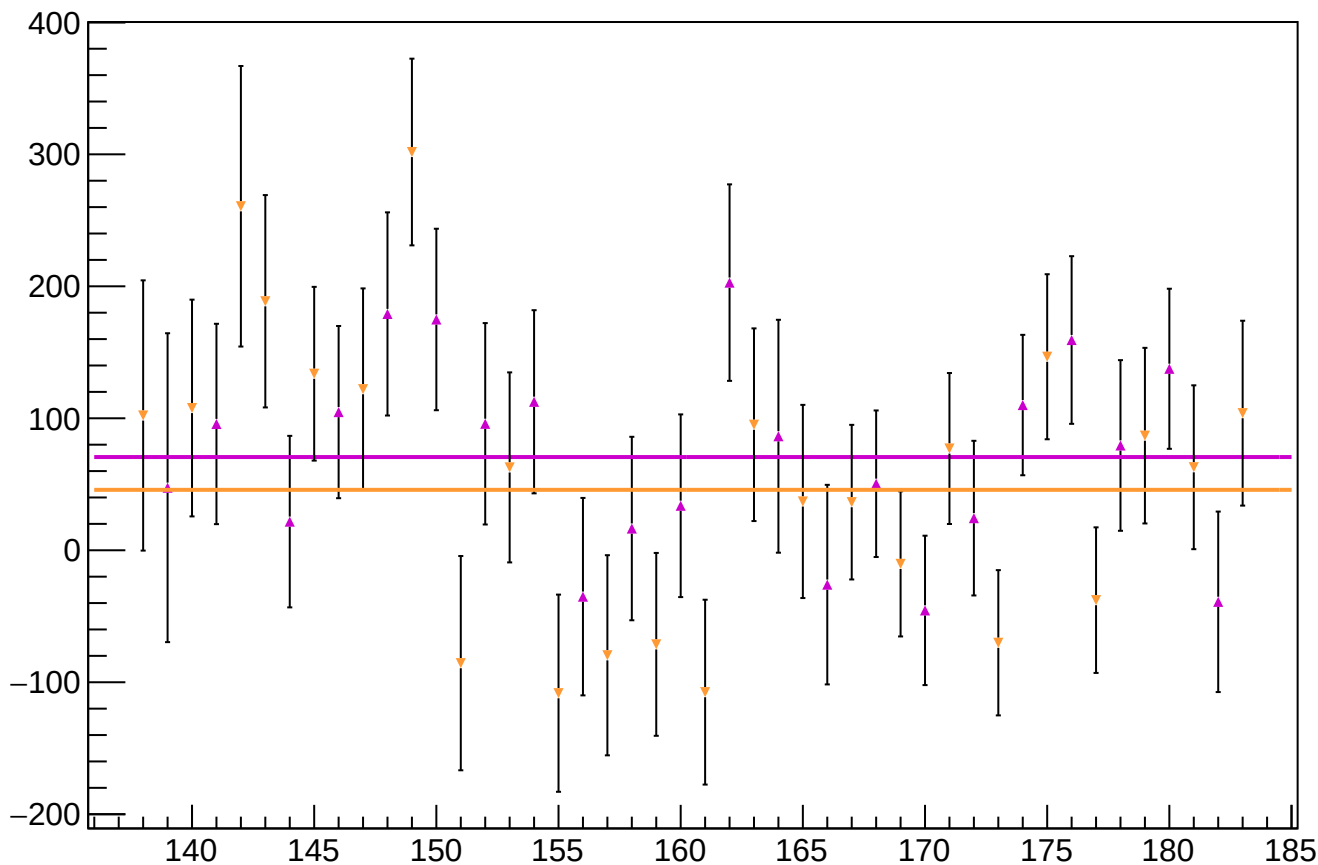
Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

In: 253.142 +/- 0.044 χ^2/NDF : 1340981.9/21

Out: 256.170 +/- 0.043 χ^2/NDF : 1515470.6/23

All: 254.680 +/- 0.031 χ^2/NDF : 2858836.4/45

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 45.791 $\pm$ 13.995 χ^2 /NDF:53.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 70.633 $\pm$ 14.417 χ^2 /NDF:24.7/21

Left: 57.843 $\pm$ 10.042 χ^2 /NDF: 79.9/45

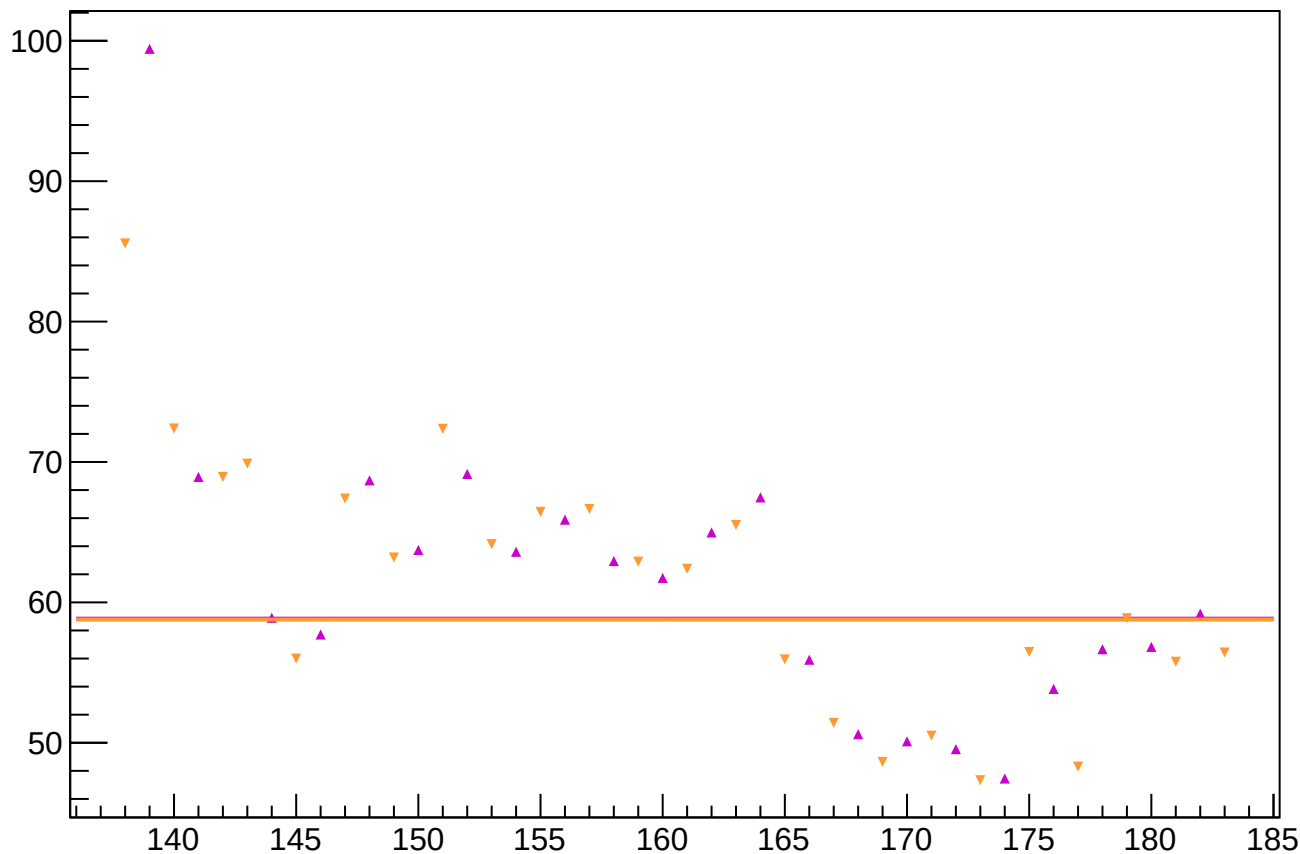
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 70.633 $\pm$ 14.417 χ^2 /NDF:24.7/21

Out: 45.791 $\pm$ 13.995 χ^2 /NDF:53.6/23

All: 57.843 $\pm$ 10.042 χ^2 /NDF: 79.9/45

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 58.777+/-0.010 χ^2/NDF :737210.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 58.838+/-0.010 χ^2/NDF :679923.3/21

Left: 58.807+/-0.007 χ^2/NDF : 1417152.1/45

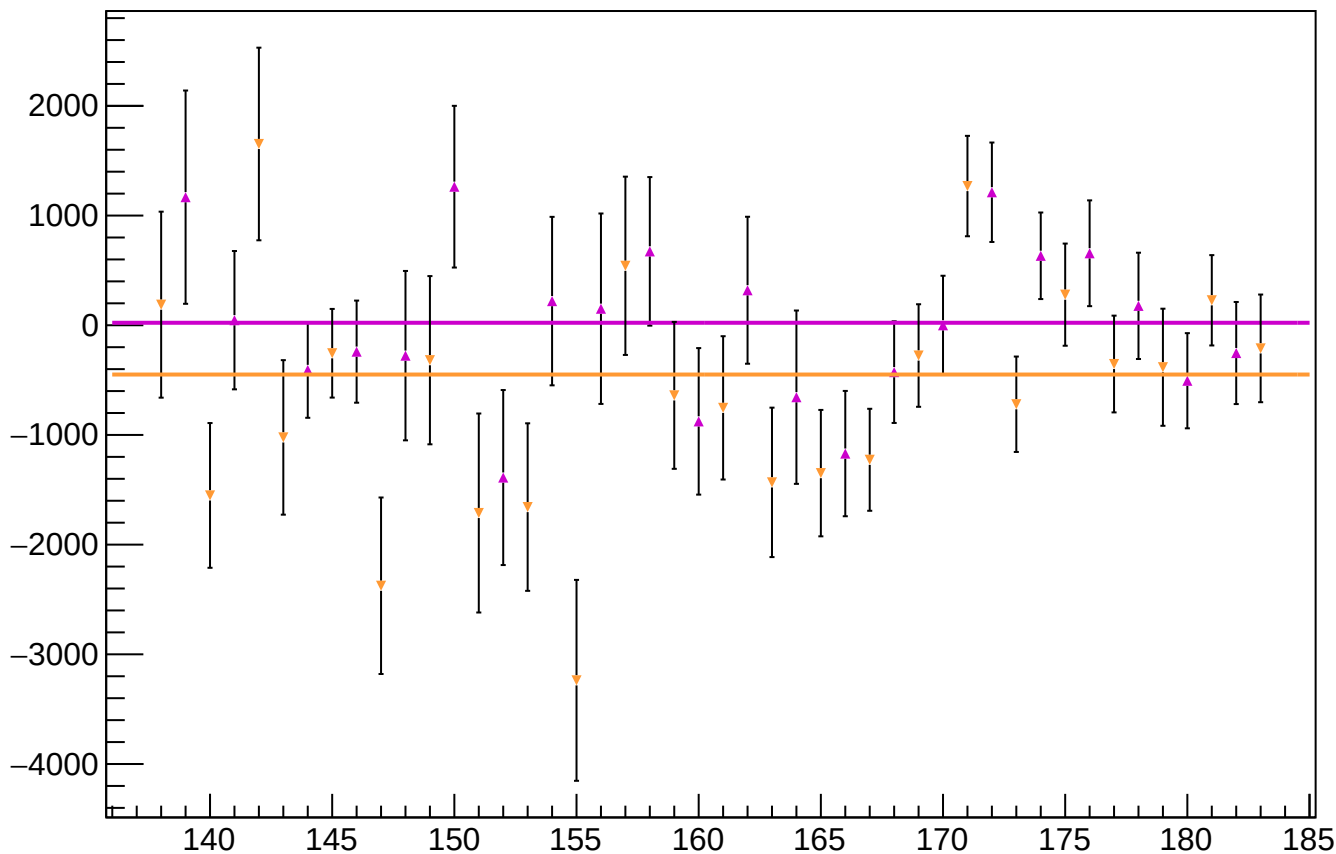
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 58.838+/-0.010 χ^2/NDF :679923.3/21

Out: 58.777+/-0.010 χ^2/NDF :737210.8/23

All: 58.807+/-0.007 χ^2/NDF : 1417152.1/45

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -449.268+/-116.000 χ^2/NDF :58.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 22.617+/-117.681 χ^2/NDF :30.8/21

Left: -216.719+/-82.612 χ^2/NDF : 97.6/45

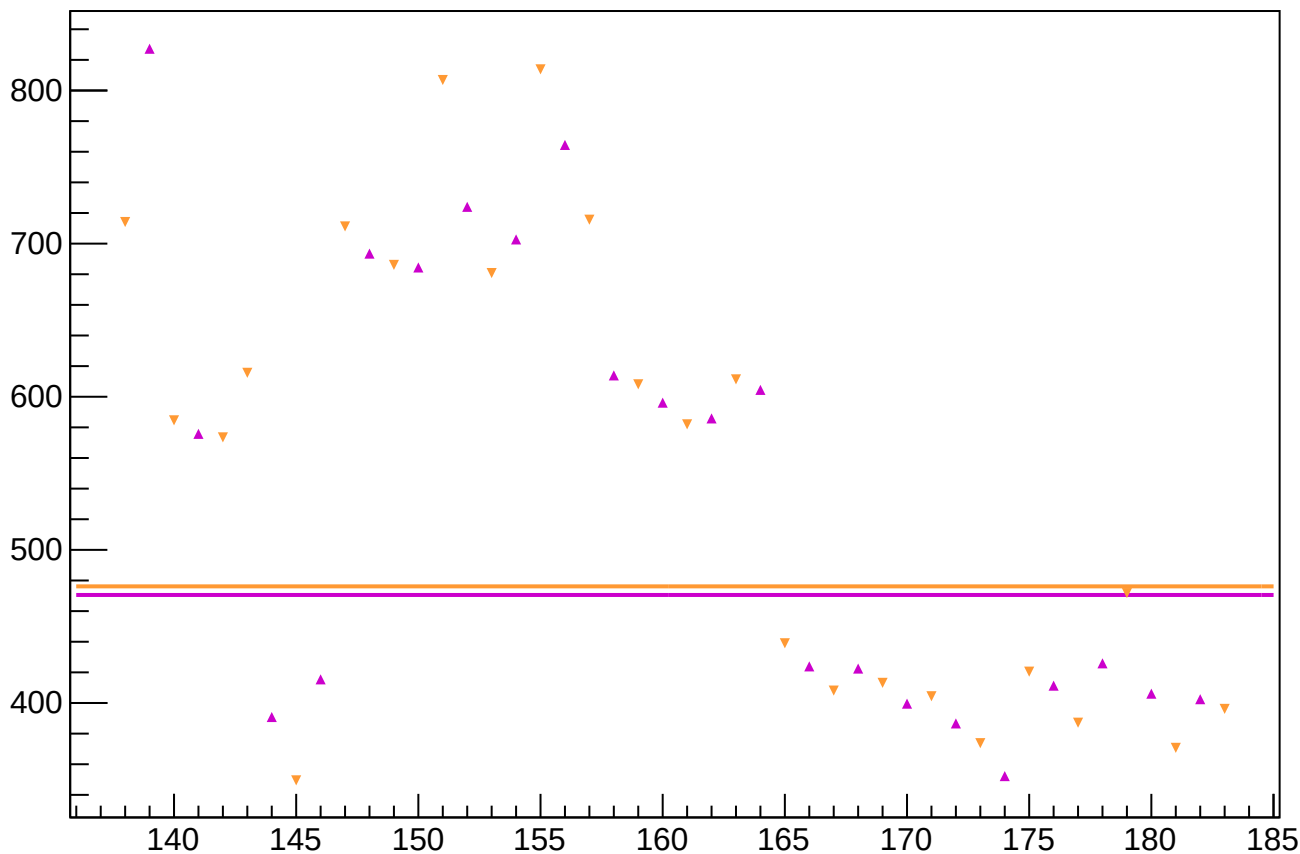
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 22.617+/-117.681 χ^2/NDF :30.8/21

Out: -449.268+/-116.000 χ^2/NDF :58.6/23

All: -216.719+/-82.612 χ^2/NDF : 97.6/45

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 476.166+/-0.082 χ^2/NDF :2437645.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 470.548+/-0.083 χ^2/NDF :2112559.3/21

Left: 473.397+/-0.058 χ^2/NDF : 4552516.4/45

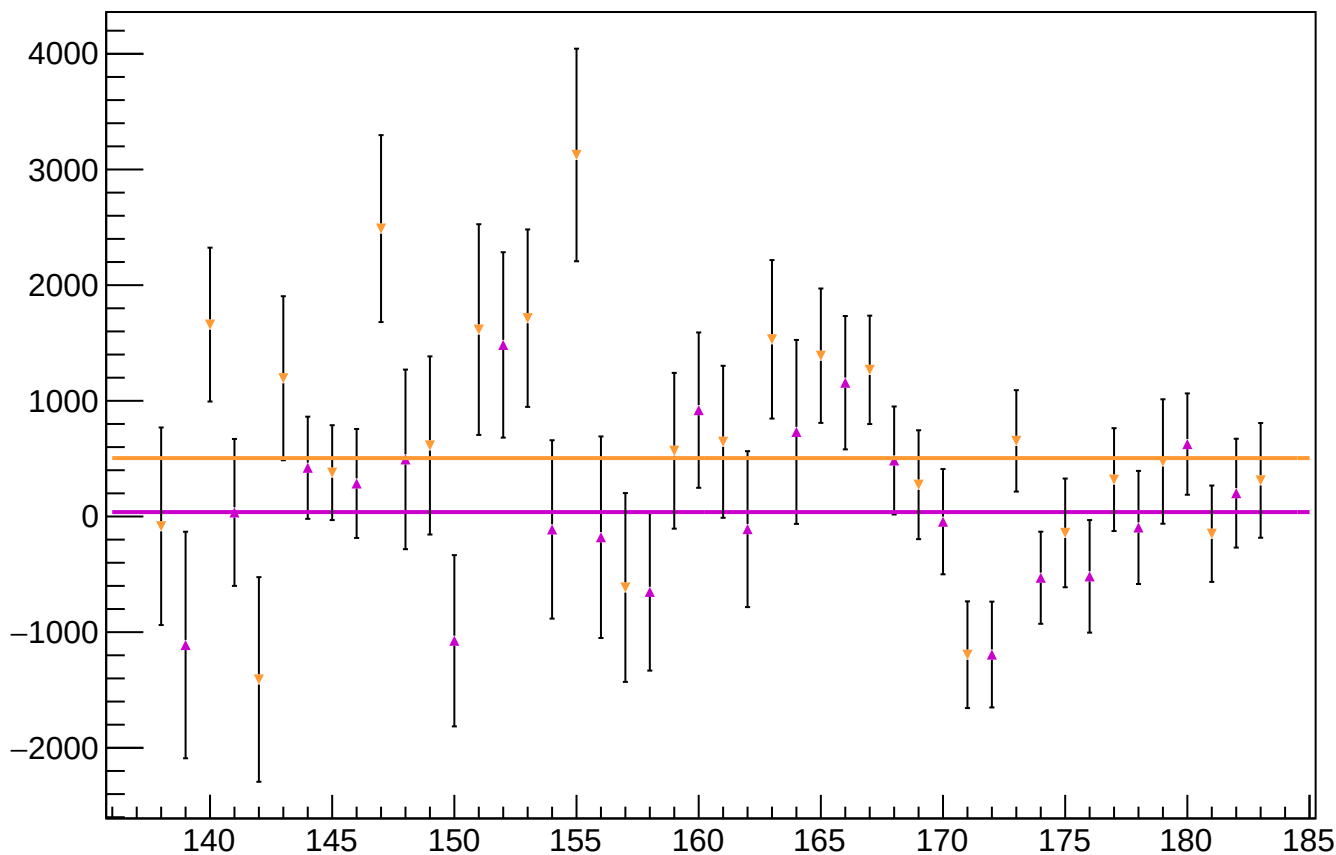
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 470.548+/-0.083 χ^2/NDF :2112559.3/21

Out: 476.166+/-0.082 χ^2/NDF :2437645.6/23

All: 473.397+/-0.058 χ^2/NDF : 4552516.4/45

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 504.877 $\pm$ 116.951 χ^2 /NDF:55.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 38.049 $\pm$ 118.678 χ^2 /NDF:29.2/21

Left: 274.884 $\pm$ 83.301 χ^2 /NDF: 92.2/45

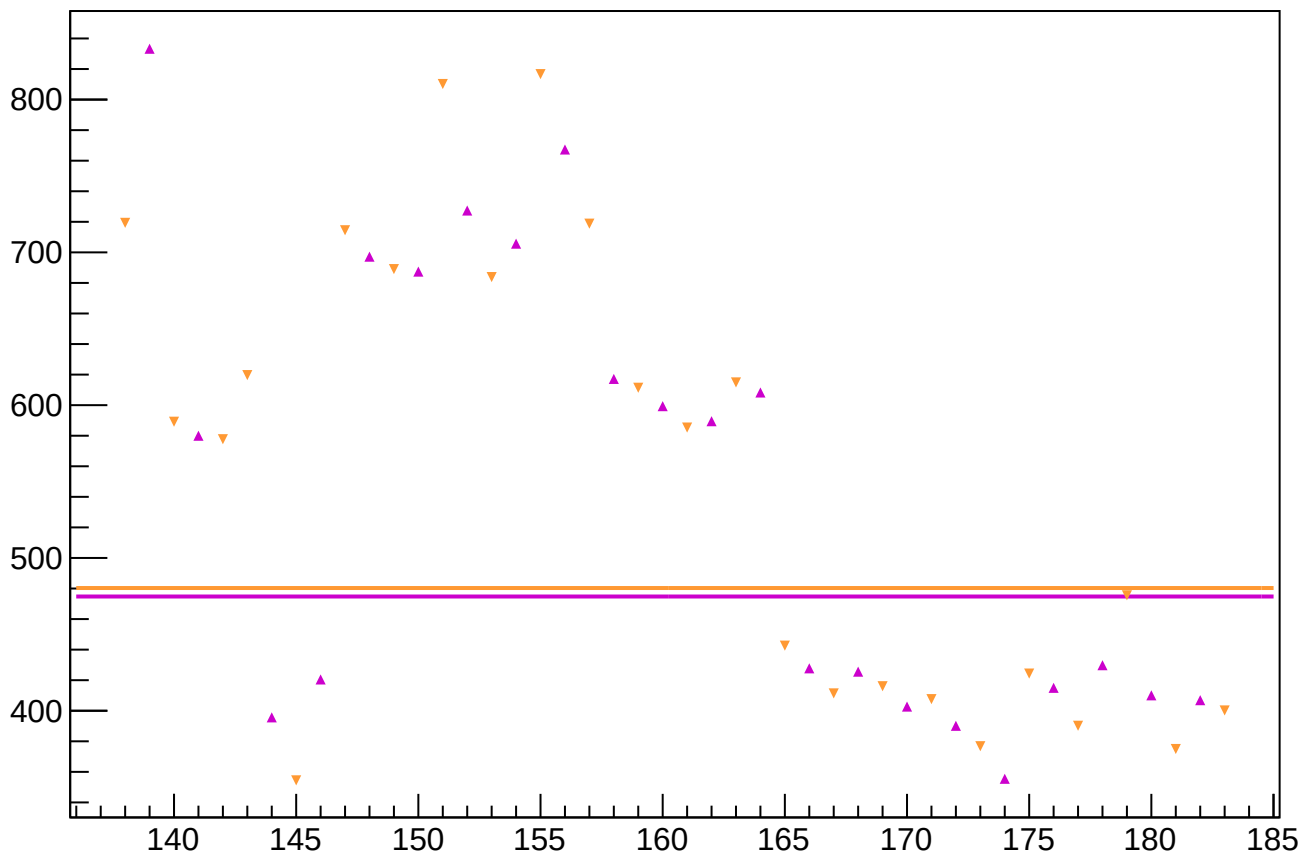
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 38.049 $\pm$ 118.678 χ^2 /NDF:29.2/21

Out: 504.877 $\pm$ 116.951 χ^2 /NDF:55.1/23

All: 274.884 $\pm$ 83.301 χ^2 /NDF: 92.2/45

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 480.322+/-0.083 χ^2/NDF :2401986.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 474.769+/-0.084 χ^2/NDF :2082866.2/21

Left: 477.586+/-0.059 χ^2/NDF : 4487074.0/45

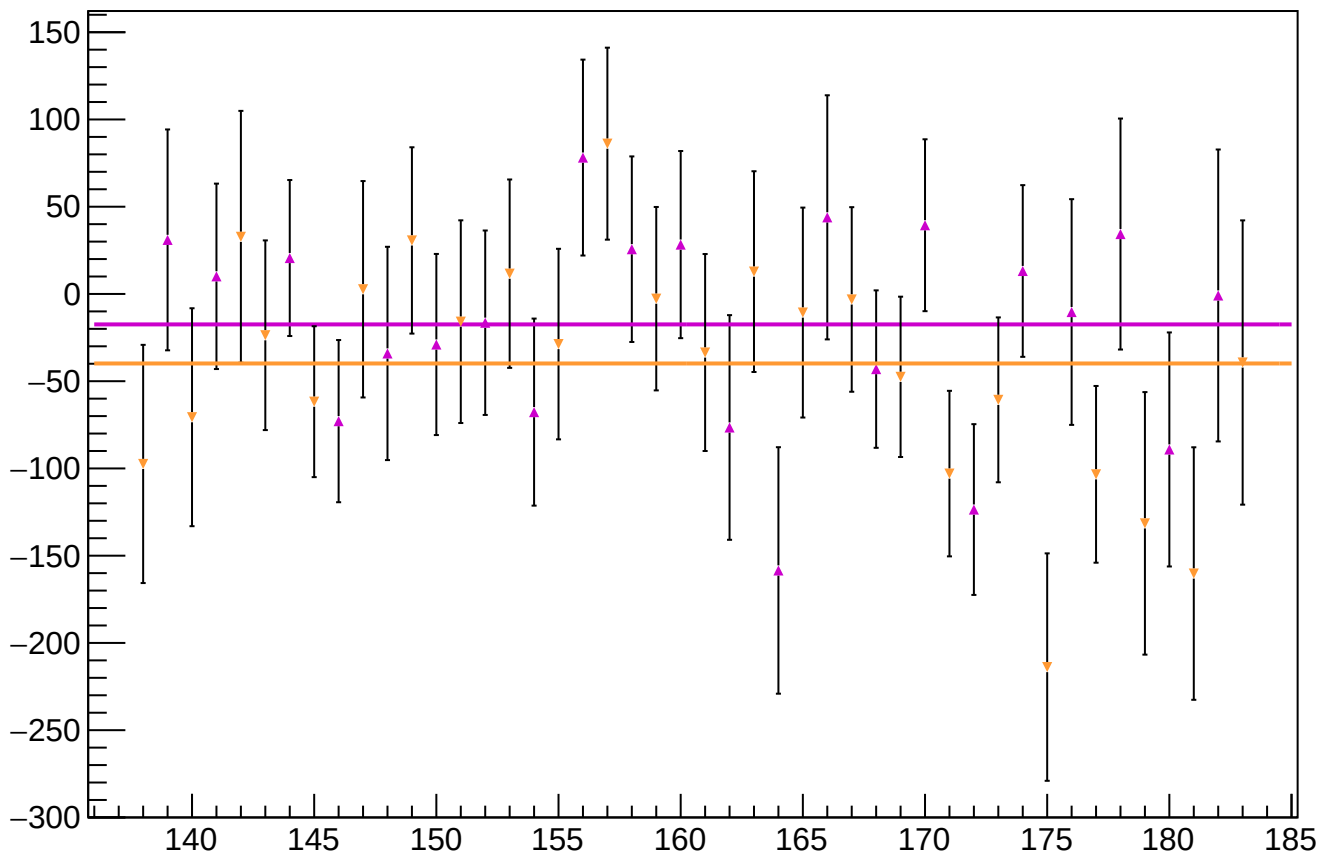
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 474.769+/-0.084 χ^2/NDF :2082866.2/21

Out: 480.322+/-0.083 χ^2/NDF :2401986.2/23

All: 477.586+/-0.059 χ^2/NDF : 4487074.0/45

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -39.843 ± 11.490 $\chi^2/\text{NDF}: 27.9/23$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -17.451 ± 11.832 $\chi^2/\text{NDF}: 22.4/21$

Left: -28.975 ± 8.243 $\chi^2/\text{NDF}: 52.2/45$

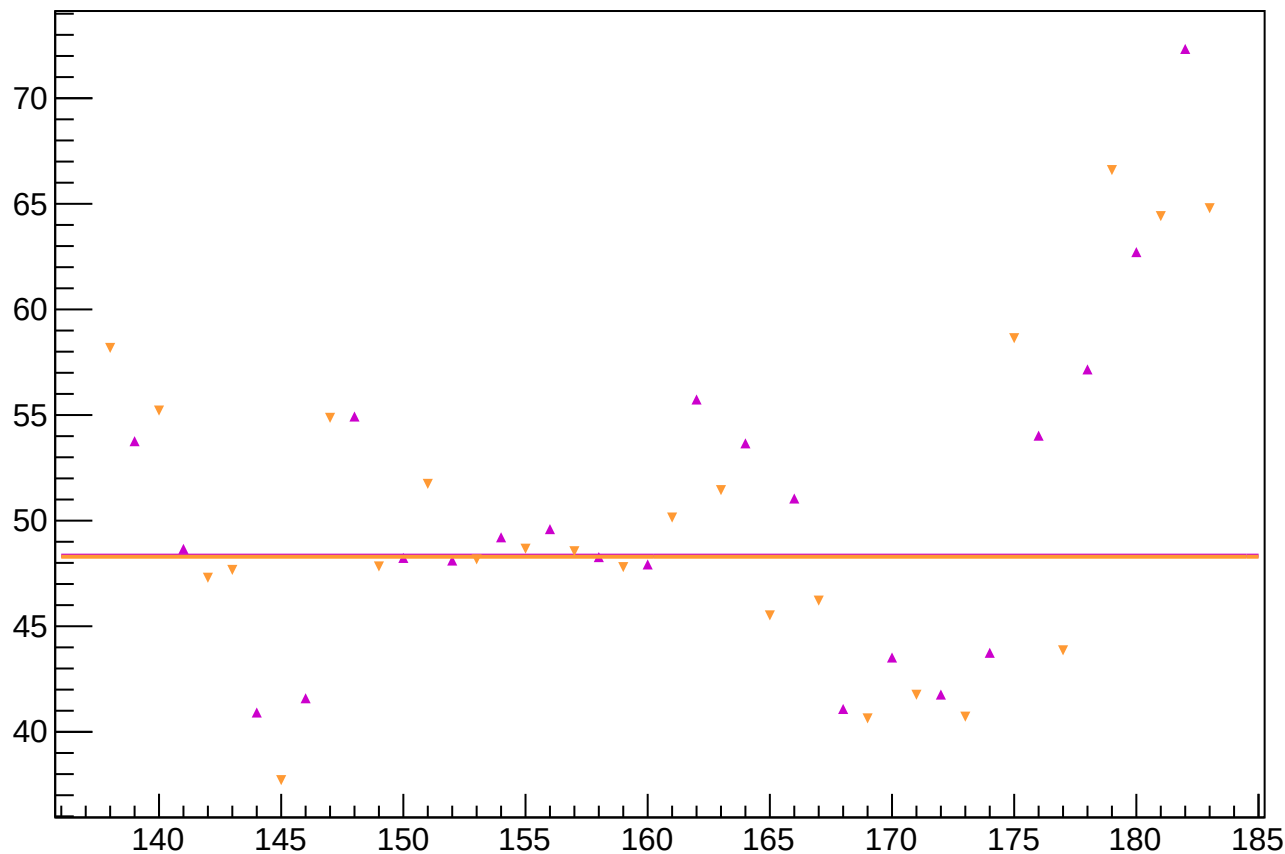
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -17.451 ± 11.832 $\chi^2/\text{NDF}: 22.4/21$

Out: -39.843 ± 11.490 $\chi^2/\text{NDF}: 27.9/23$

All: -28.975 ± 8.243 $\chi^2/\text{NDF}: 52.2/45$

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 48.292+/-0.008 χ^2/NDF : 742706.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 48.342+/-0.008 χ^2/NDF : 609547.7/21

Left: 48.317+/-0.006 χ^2/NDF : 1352272.7/45

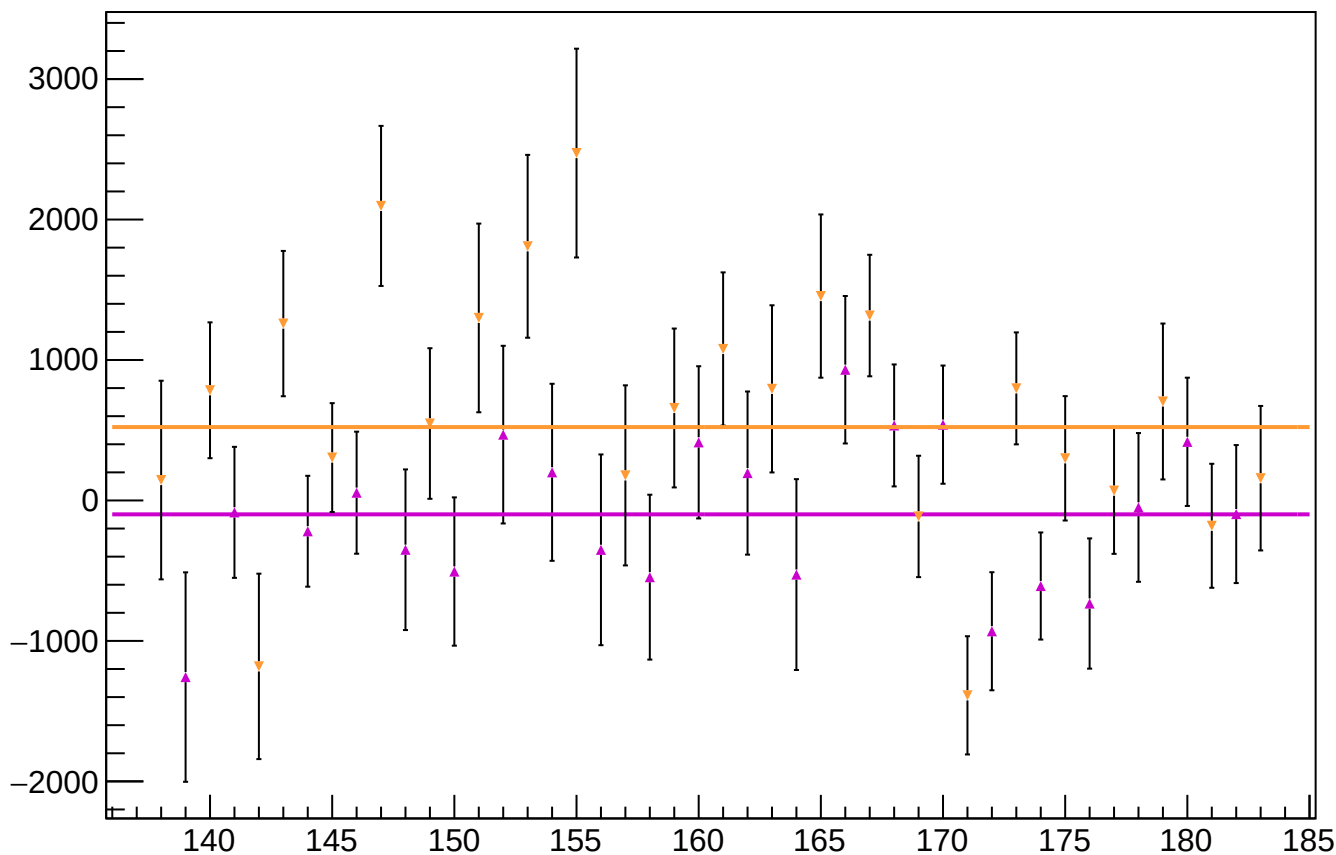
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.342+/-0.008 χ^2/NDF : 609547.7/21

Out: 48.292+/-0.008 χ^2/NDF : 742706.7/23

All: 48.317+/-0.006 χ^2/NDF : 1352272.7/45

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 522.427+/-104.560 χ^2/NDF :64.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -98.943+/-106.805 χ^2/NDF :23.9/21

Left: 218.342+/-74.716 χ^2/NDF : 105.7/45

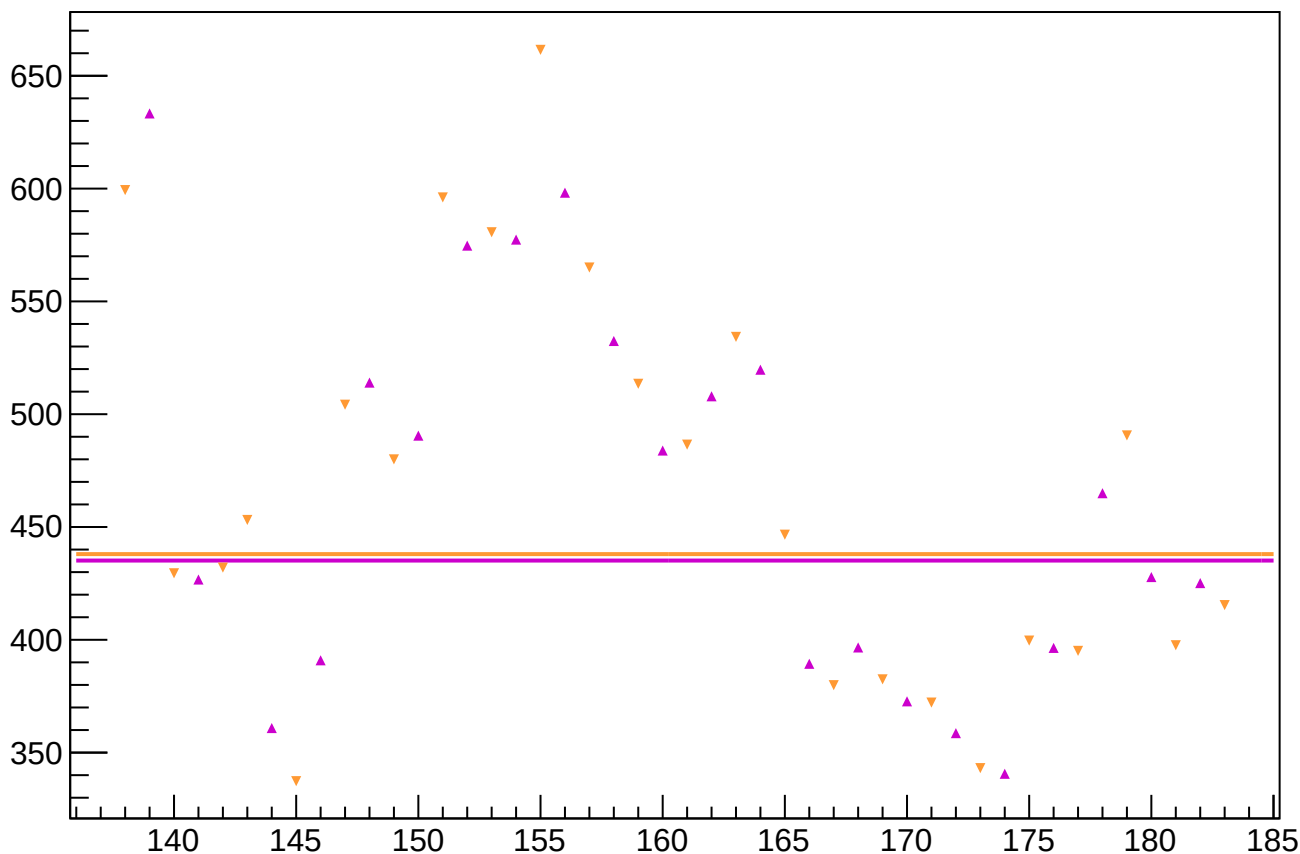
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -98.943+/-106.805 χ^2/NDF :23.9/21

Out: 522.427+/-104.560 χ^2/NDF :64.6/23

All: 218.342+/-74.716 χ^2/NDF : 105.7/45

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 437.982+/-0.074 χ^2/NDF :1154487.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 435.126+/-0.076 χ^2/NDF :1027474.6/21

Left: 436.584+/-0.053 χ^2/NDF : 2182692.1/45

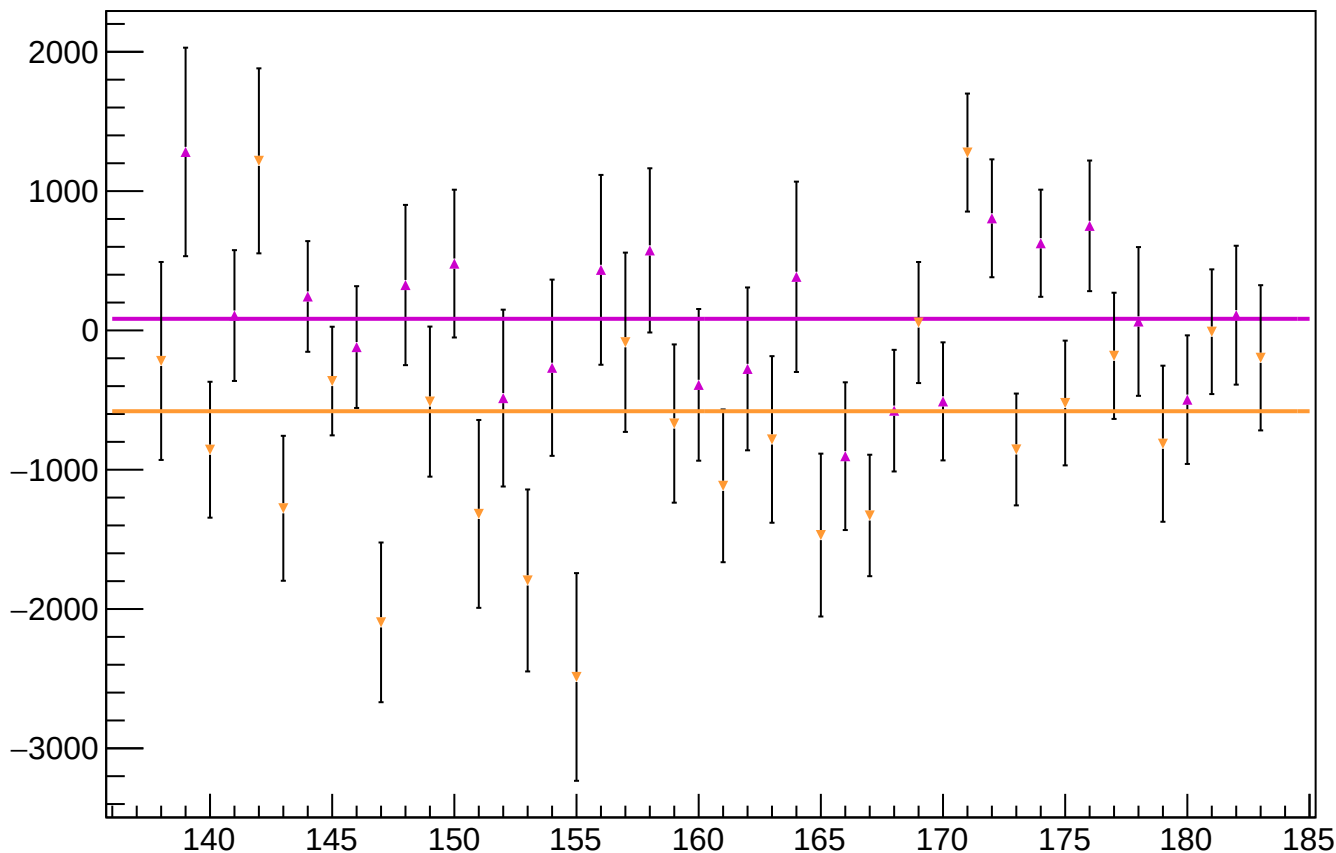
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 435.126+/-0.076 χ^2/NDF :1027474.6/21

Out: 437.982+/-0.074 χ^2/NDF :1154487.6/23

All: 436.584+/-0.053 χ^2/NDF : 2182692.1/45

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -580.086+/-105.307 χ^2/NDF :60.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 83.281+/-107.572 χ^2/NDF :23.3/21

Left: -255.462+/-75.251 χ^2/NDF : 102.8/45

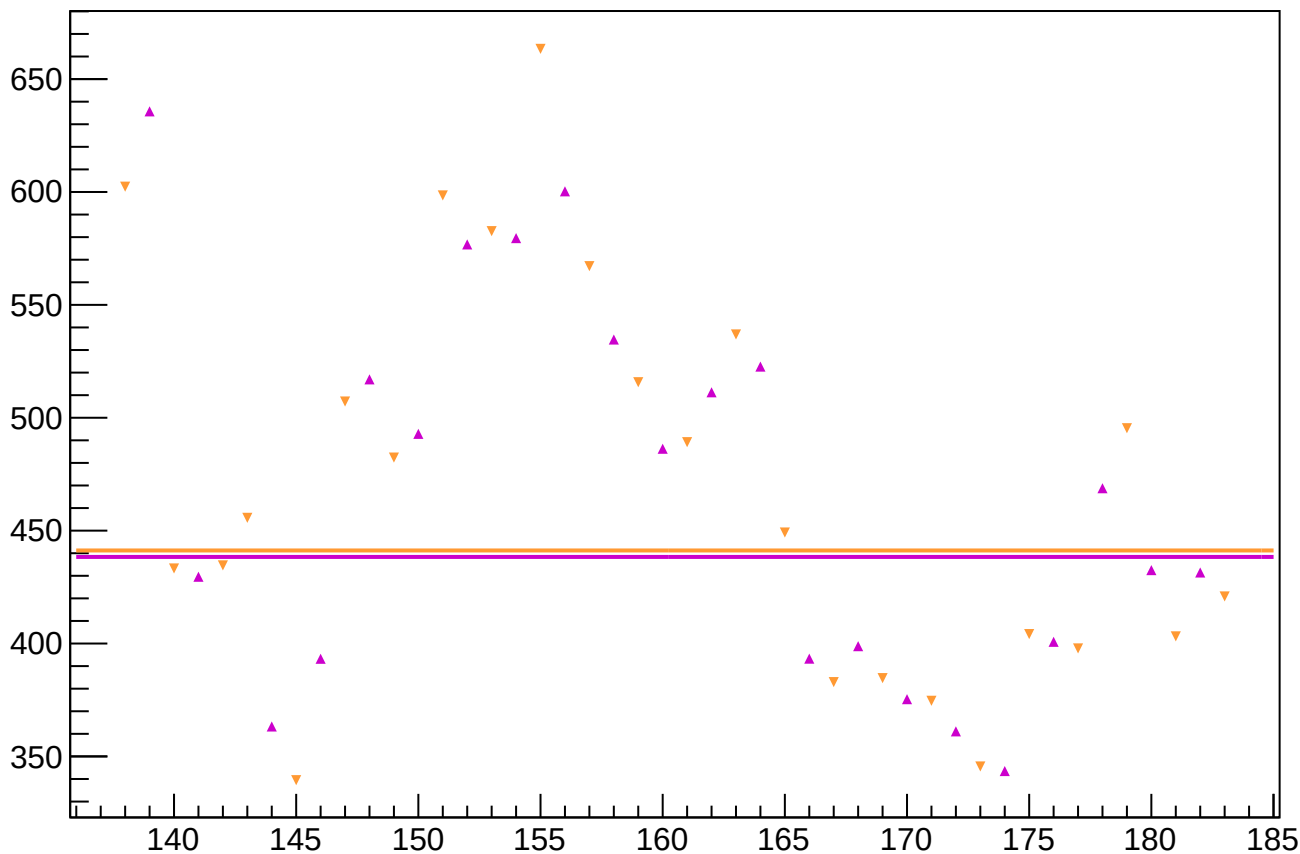
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 83.281+/-107.572 χ^2/NDF :23.3/21

Out: -580.086+/-105.307 χ^2/NDF :60.1/23

All: -255.462+/-75.251 χ^2/NDF : 102.8/45

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 441.220+/-0.074 χ^2/NDF :1138458.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 438.354+/-0.076 χ^2/NDF :1012666.7/21

Left: 439.818+/-0.053 χ^2/NDF : 2151850.3/45

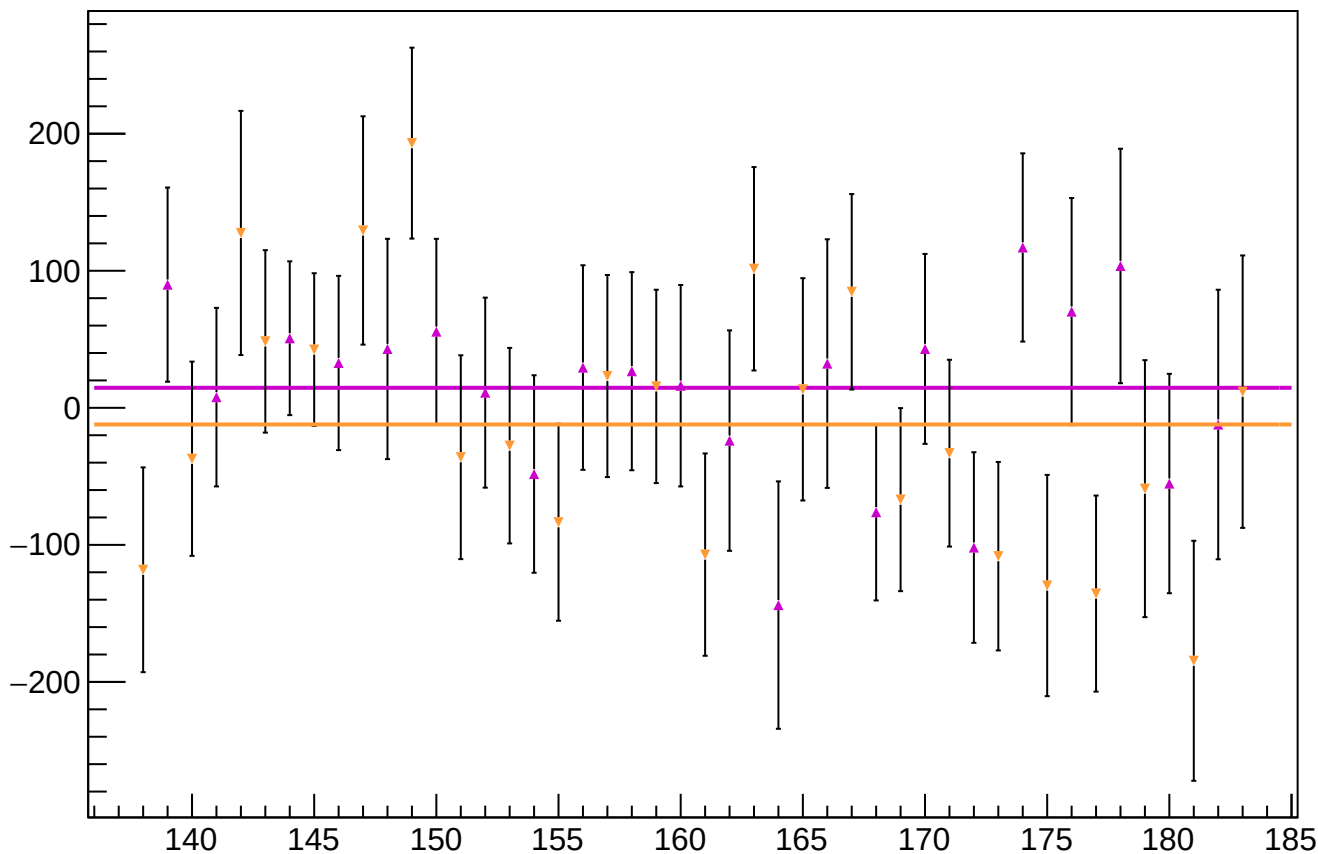
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 438.354+/-0.076 χ^2/NDF :1012666.7/21

Out: 441.220+/-0.074 χ^2/NDF :1138458.5/23

All: 439.818+/-0.053 χ^2/NDF : 2151850.3/45

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -12.147 $\pm$ 15.046 χ^2 /NDF:37.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 14.617 $\pm$ 15.544 χ^2 /NDF:15.9/21

Left: 0.799 $\pm$ 10.811 χ^2 /NDF: 54.8/45

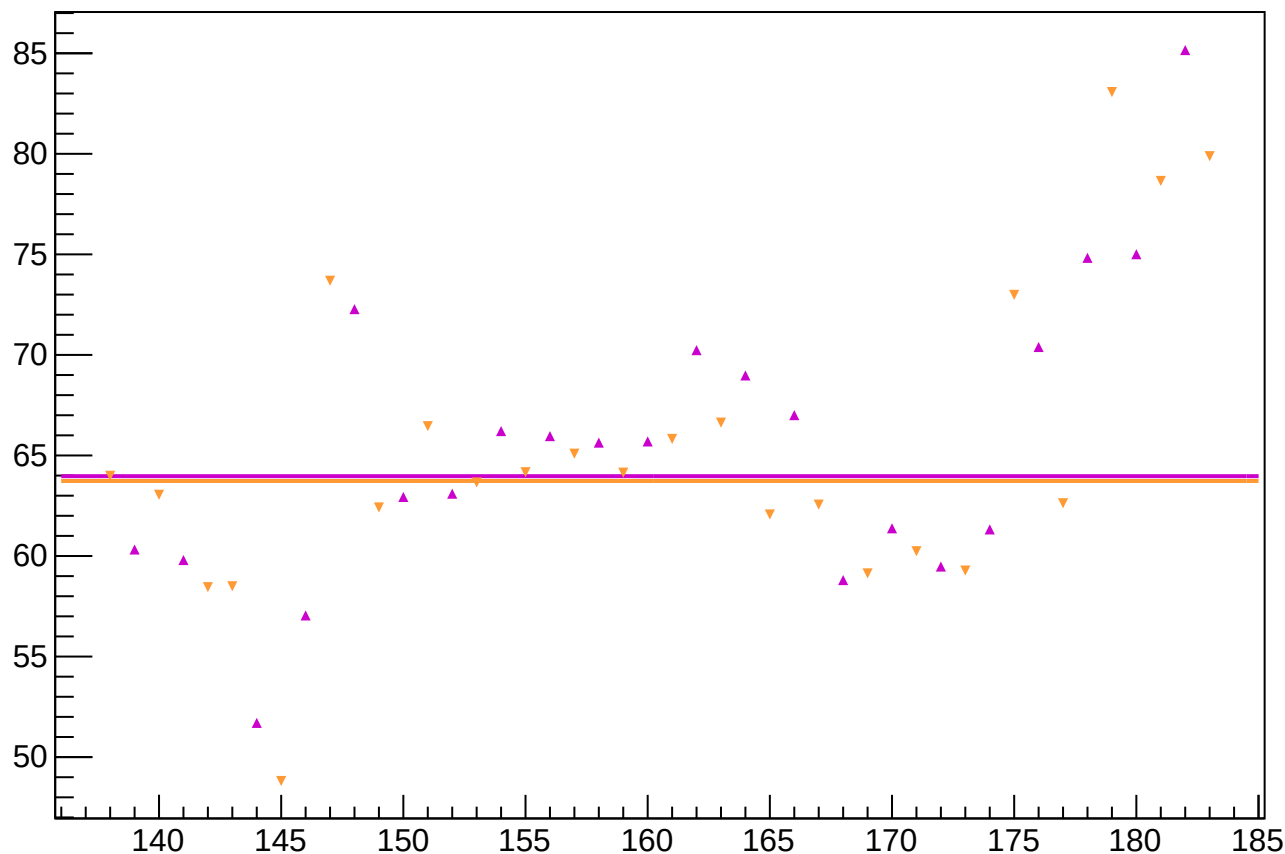
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 14.617 $\pm$ 15.544 χ^2 /NDF:15.9/21

Out: -12.147 $\pm$ 15.046 χ^2 /NDF:37.4/23

All: 0.799 $\pm$ 10.811 χ^2 /NDF: 54.8/45

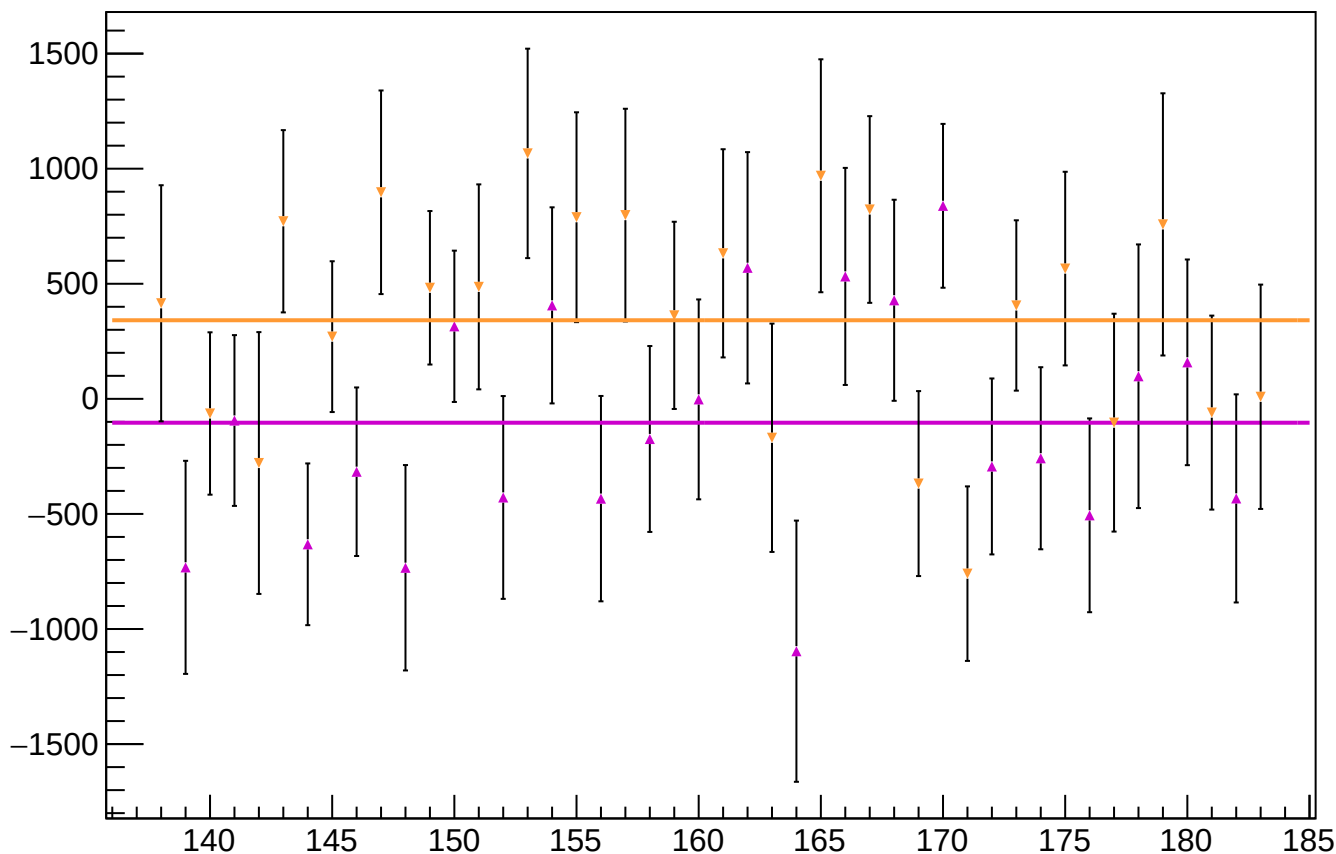
reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 63.732+/-0.011 χ^2/NDF : 447678.0/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 63.970+/-0.011 χ^2/NDF : 383167.9/21

Left: 63.847+/-0.008 χ^2/NDF : 831089.4/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 63.970+/-0.011 χ^2/NDF : 383167.9/21
 Out: 63.732+/-0.011 χ^2/NDF : 447678.0/23
 All: 63.847+/-0.008 χ^2/NDF : 831089.4/45

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 341.454+/-86.850 χ^2/NDF :29.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -103.746+/-89.295 χ^2/NDF :28.1/21

Left: 125.034+/-62.259 χ^2/NDF : 70.1/45

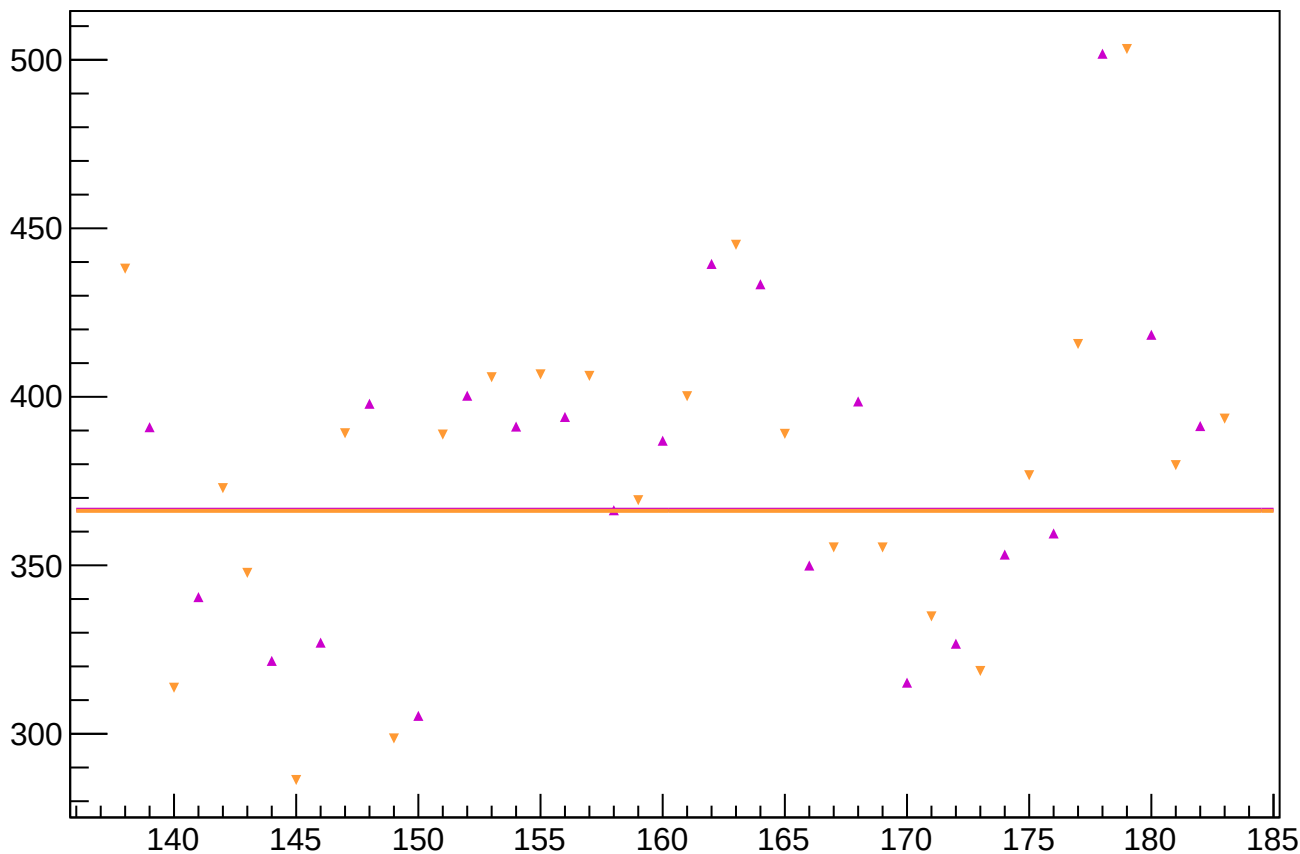
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -103.746+/-89.295 χ^2/NDF :28.1/21

Out: 341.454+/-86.850 χ^2/NDF :29.2/23

All: 125.034+/-62.259 χ^2/NDF : 70.1/45

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 366.167+/-0.061 χ^2/NDF : 608660.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 366.495+/-0.063 χ^2/NDF : 474836.4/21

Left: 366.327+/-0.044 χ^2/NDF : 1083510.3/45

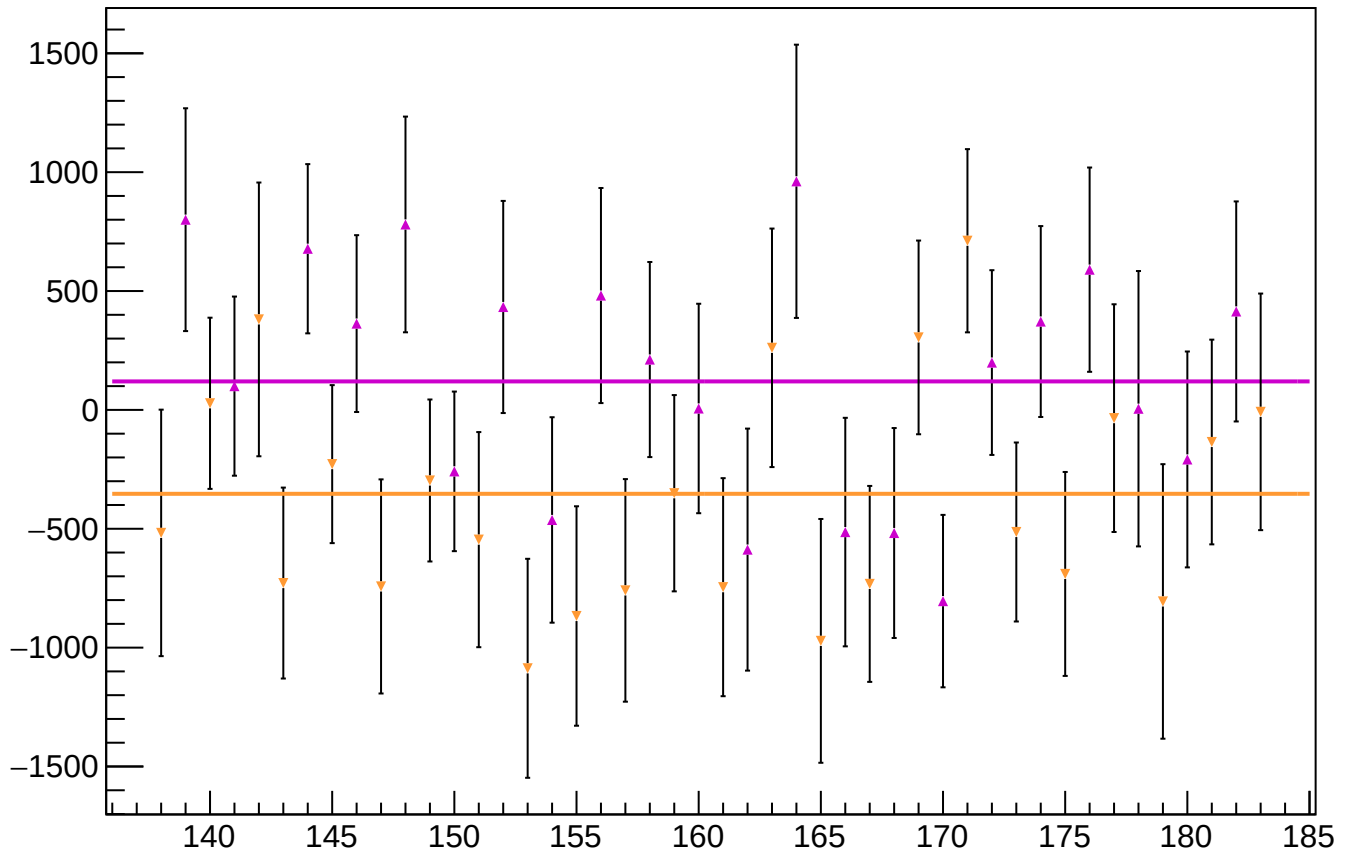
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 366.495+/-0.063 χ^2/NDF : 474836.4/21

Out: 366.167+/-0.061 χ^2/NDF : 608660.1/23

All: 366.327+/-0.044 χ^2/NDF : 1083510.3/45

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -352.944+/-88.238 χ^2/NDF :26.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 119.821+/-90.722 χ^2/NDF :28.4/21

Left: -123.121+/-63.253 χ^2/NDF : 69.1/45

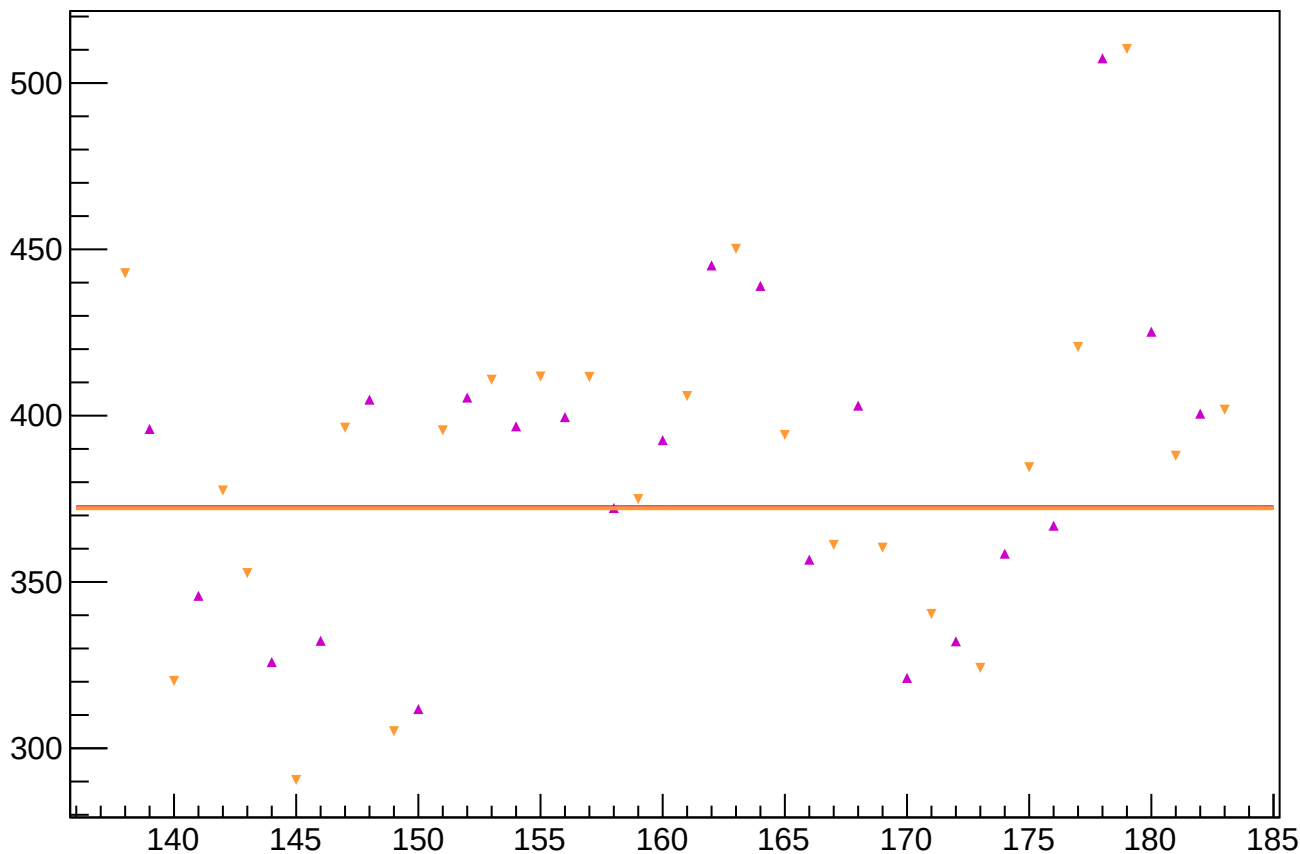
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 119.821+/-90.722 χ^2/NDF :28.4/21

Out: -352.944+/-88.238 χ^2/NDF :26.7/23

All: -123.121+/-63.253 χ^2/NDF : 69.1/45

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 372.167+/-0.062 χ^2/NDF :594556.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 372.458+/-0.064 χ^2/NDF :463353.6/21

Left: 372.309+/-0.045 χ^2/NDF : 1057920.8/45

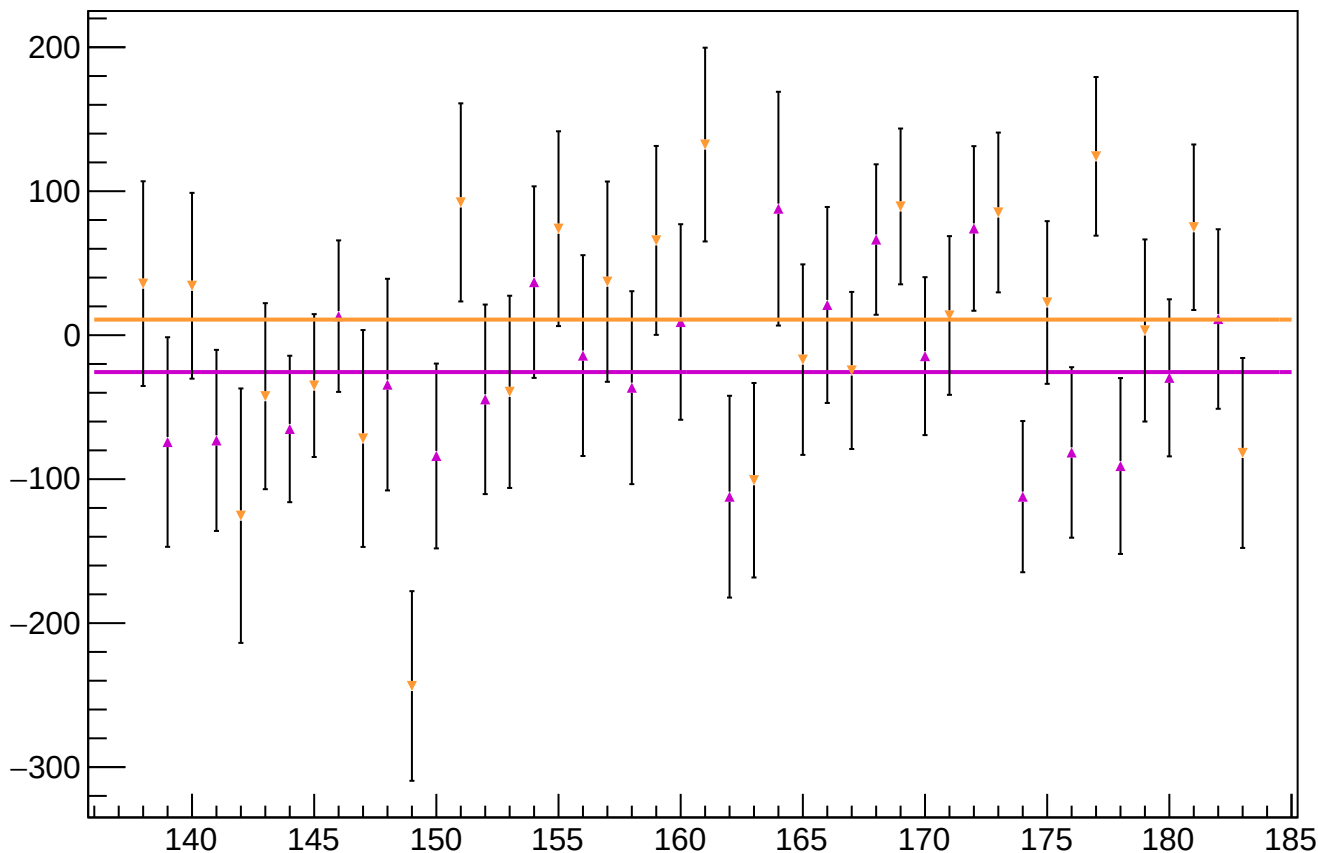
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 372.458+/-0.064 χ^2/NDF :463353.6/21

Out: 372.167+/-0.062 χ^2/NDF :594556.7/23

All: 372.309+/-0.045 χ^2/NDF : 1057920.8/45

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 10.818+/-12.766 χ^2/NDF :42.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -25.624+/-13.126 χ^2/NDF :19.5/21

Left: -6.896+/-9.151 χ^2/NDF : 65.5/45

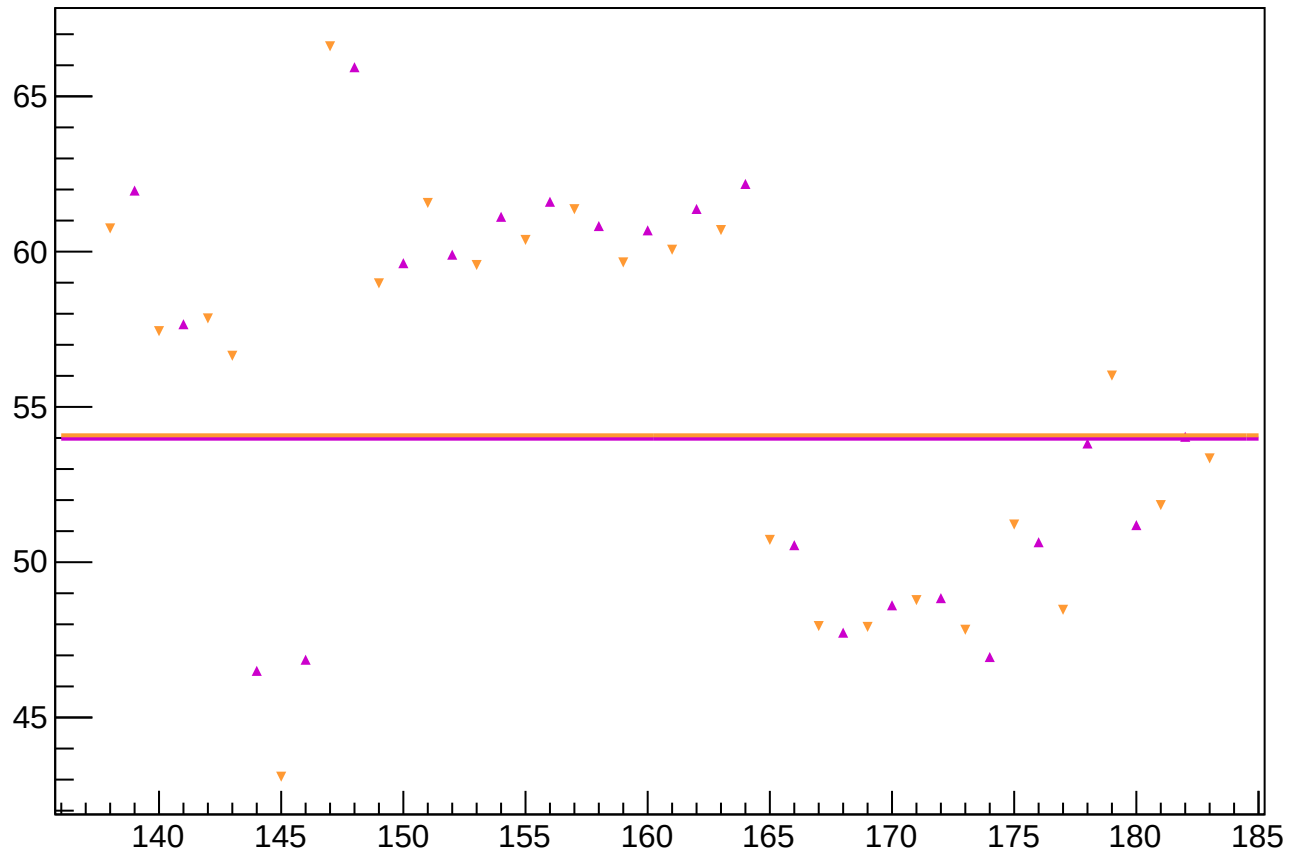
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.624+/-13.126 χ^2/NDF :19.5/21

Out: 10.818+/-12.766 χ^2/NDF :42.0/23

All: -6.896+/-9.151 χ^2/NDF : 65.5/45

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 54.086+/-0.009 χ^2/NDF : 451531.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 53.978+/-0.009 χ^2/NDF : 441847.8/21

Left: 54.033+/-0.006 χ^2/NDF : 893448.5/45

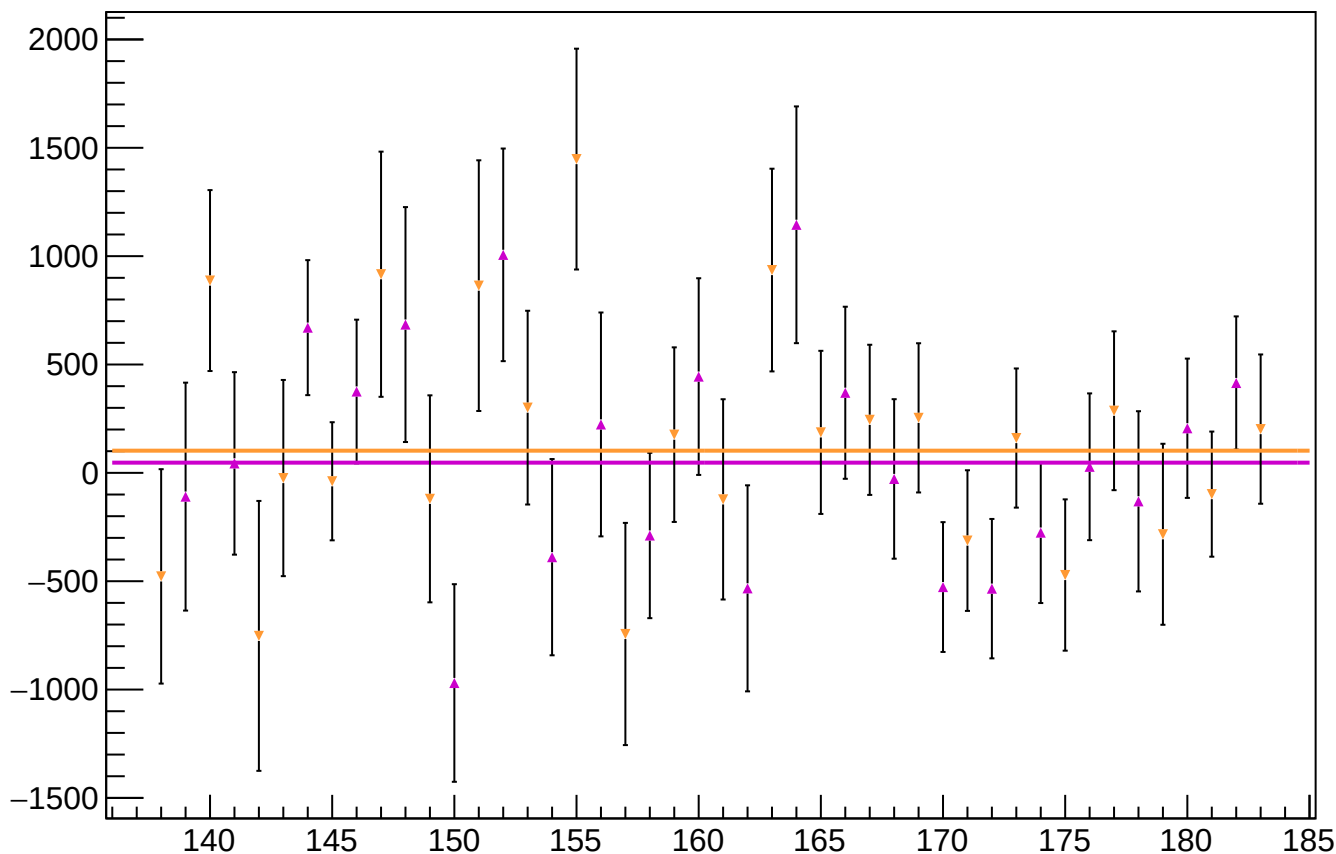
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 53.978+/-0.009 χ^2/NDF : 441847.8/21

Out: 54.086+/-0.009 χ^2/NDF : 451531.1/23

All: 54.033+/-0.006 χ^2/NDF : 893448.5/45

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 102.377 $\pm$ 80.542 χ^2 /NDF:31.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 47.063 $\pm$ 82.216 χ^2 /NDF:33.9/21

Left: 75.289 $\pm$ 57.535 χ^2 /NDF: 65.0/45

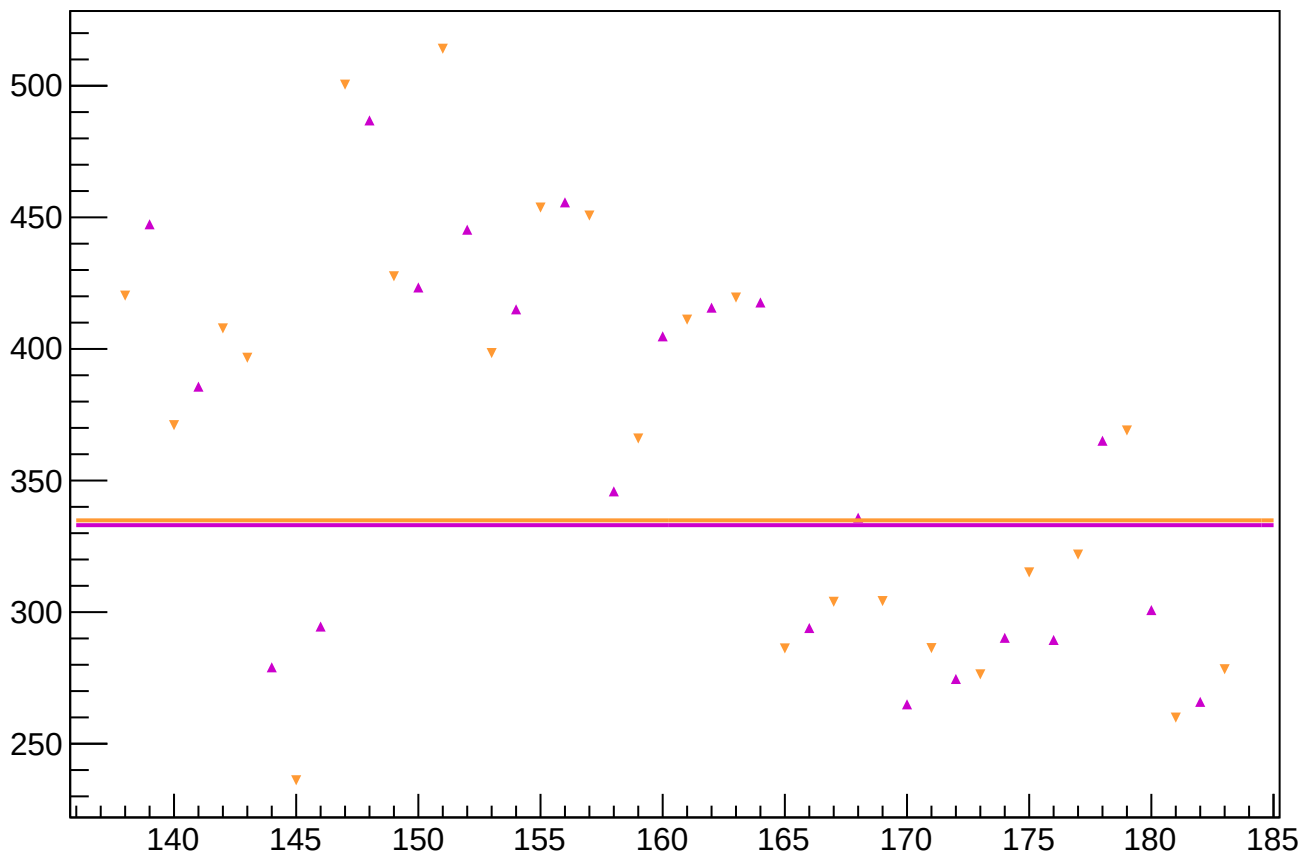
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 47.063 $\pm$ 82.216 χ^2 /NDF:33.9/21

Out: 102.377 $\pm$ 80.542 χ^2 /NDF:31.0/23

All: 75.289 $\pm$ 57.535 χ^2 /NDF: 65.0/45

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 334.870+/-0.057 χ^2/NDF :1611360.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 333.043+/-0.058 χ^2/NDF :1280339.0/21

Left: 333.975+/-0.041 χ^2/NDF : 2892204.1/45

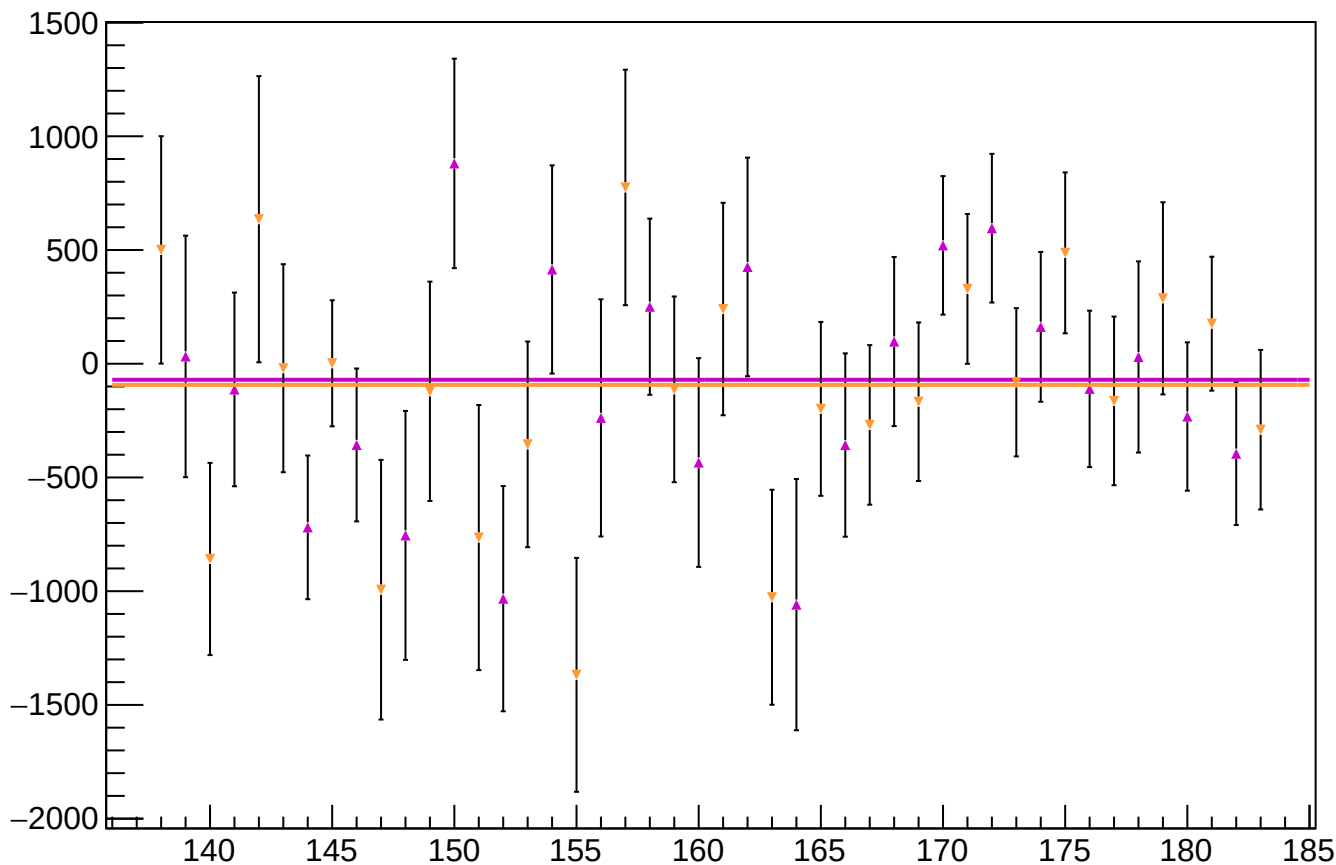
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 333.043+/-0.058 χ^2/NDF :1280339.0/21

Out: 334.870+/-0.057 χ^2/NDF :1611360.8/23

All: 333.975+/-0.041 χ^2/NDF : 2892204.1/45

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -92.886+/-81.622 χ^2/NDF :30.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -70.549+/-83.332 χ^2/NDF :31.9/21

Left: -81.949+/-58.311 χ^2/NDF : 62.4/45

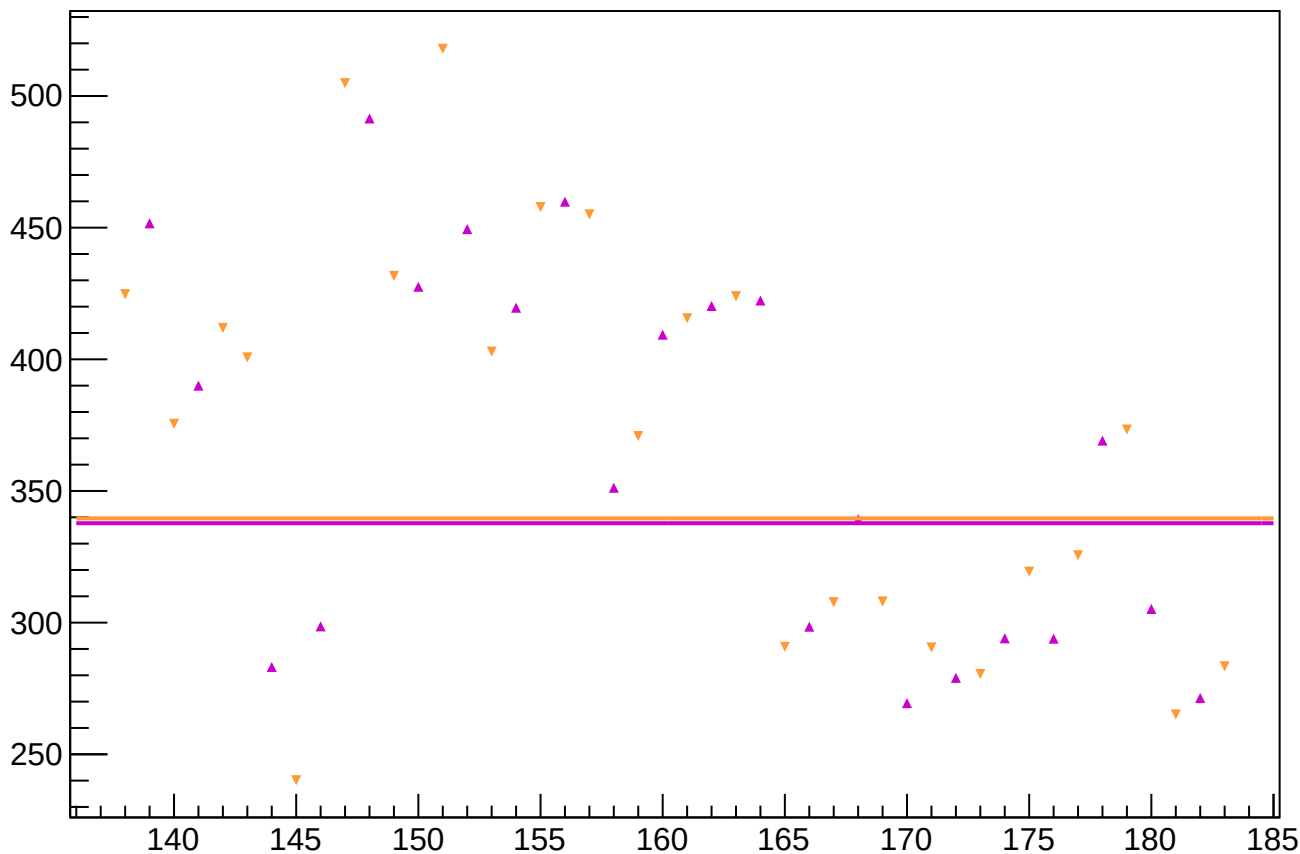
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -70.549+/-83.332 χ^2/NDF :31.9/21

Out: -92.886+/-81.622 χ^2/NDF :30.4/23

All: -81.949+/-58.311 χ^2/NDF : 62.4/45

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 339.600+/-0.058 χ^2/NDF :1570254.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 337.767+/-0.059 χ^2/NDF :1248079.7/21

Left: 338.703+/-0.041 χ^2/NDF : 2818828.4/45

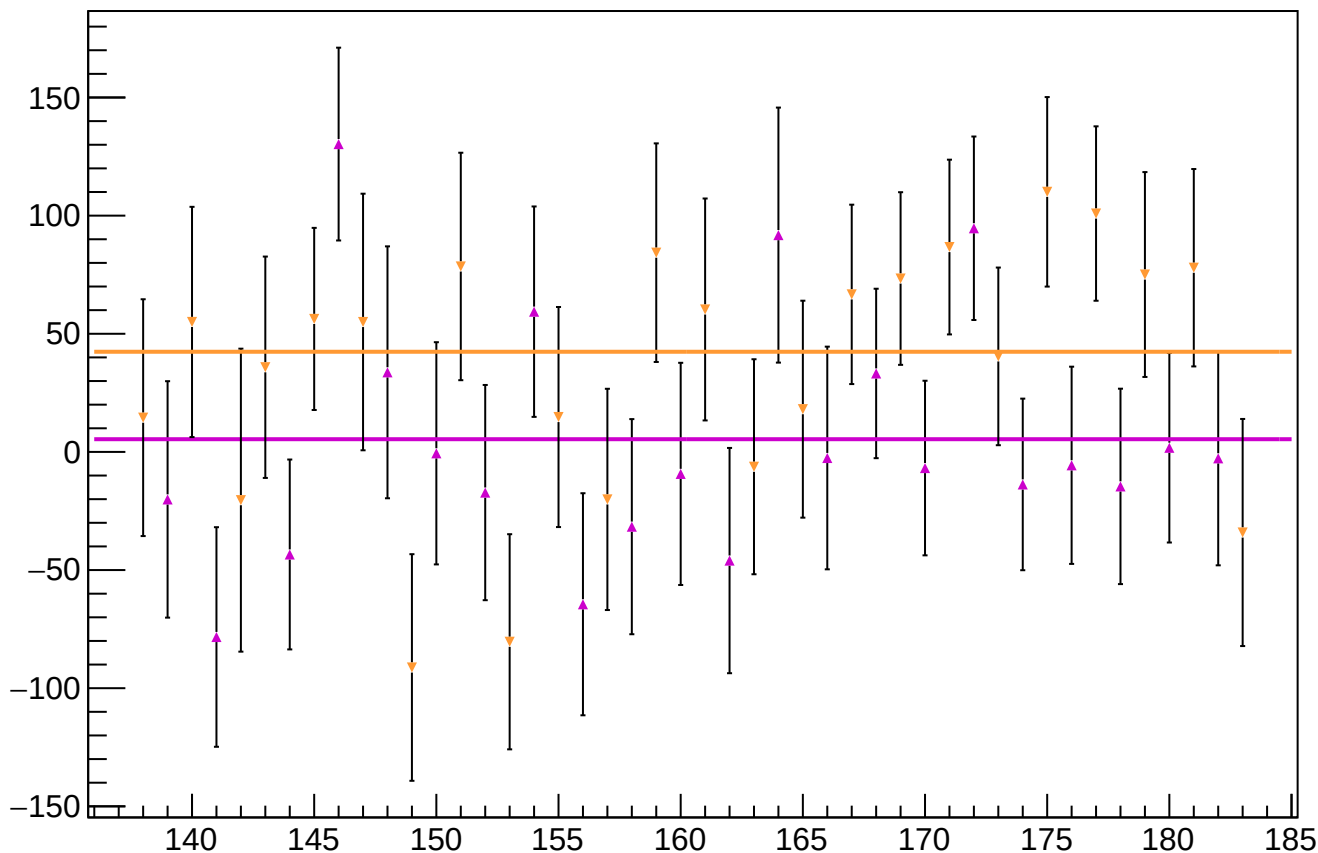
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 337.767+/-0.059 χ^2/NDF :1248079.7/21

Out: 339.600+/-0.058 χ^2/NDF :1570254.7/23

All: 338.703+/-0.041 χ^2/NDF : 2818828.4/45

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 42.392 $\pm$ 8.962 χ^2 /NDF:33.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 5.381 $\pm$ 9.247 χ^2 /NDF:29.7/21

Left: 24.466 $\pm$ 6.435 χ^2 /NDF: 71.4/45

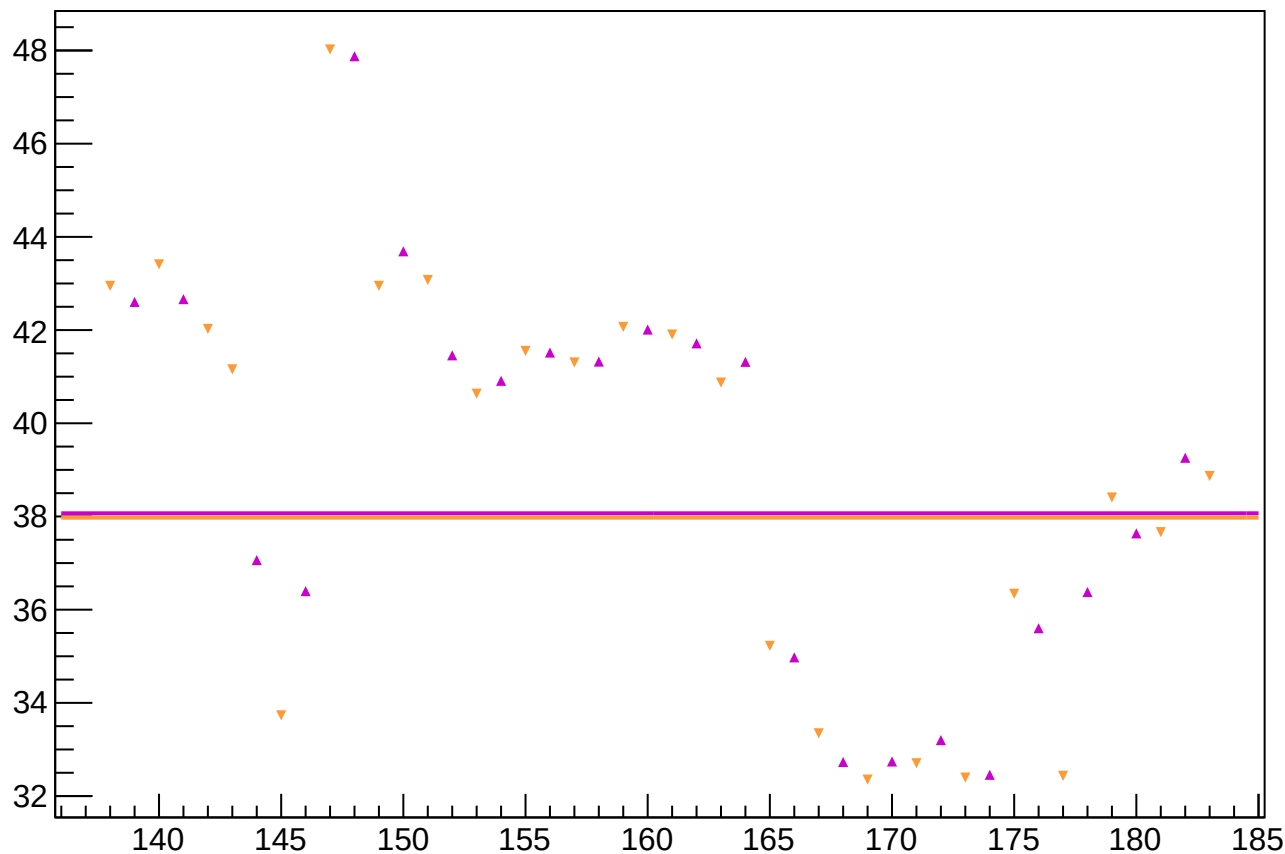
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 5.381 $\pm$ 9.247 χ^2 /NDF:29.7/21

Out: 42.392 $\pm$ 8.962 χ^2 /NDF:33.4/23

All: 24.466 $\pm$ 6.435 χ^2 /NDF: 71.4/45

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 37.975+/-0.006 χ^2/NDF :483296.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 38.068+/-0.007 χ^2/NDF :395771.4/21

Left: 38.020+/-0.005 χ^2/NDF : 879173.2/45

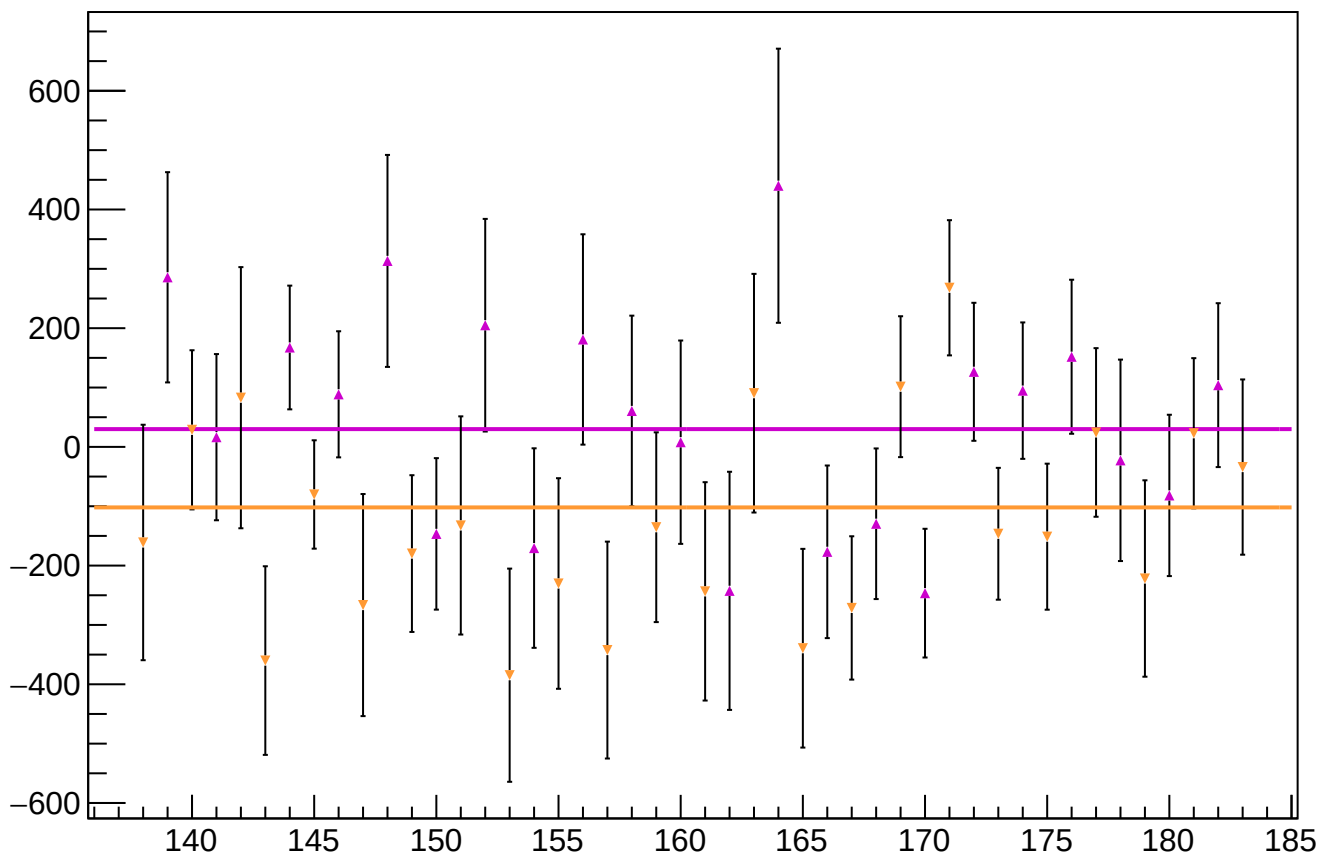
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.068+/-0.007 χ^2/NDF :395771.4/21

Out: 37.975+/-0.006 χ^2/NDF :483296.5/23

All: 38.020+/-0.005 χ^2/NDF : 879173.2/45

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -101.983+/-29.402 χ^2/NDF :32.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 29.957+/-29.936 χ^2/NDF :29.8/21

Left: -37.201+/-20.977 χ^2/NDF : 71.8/45

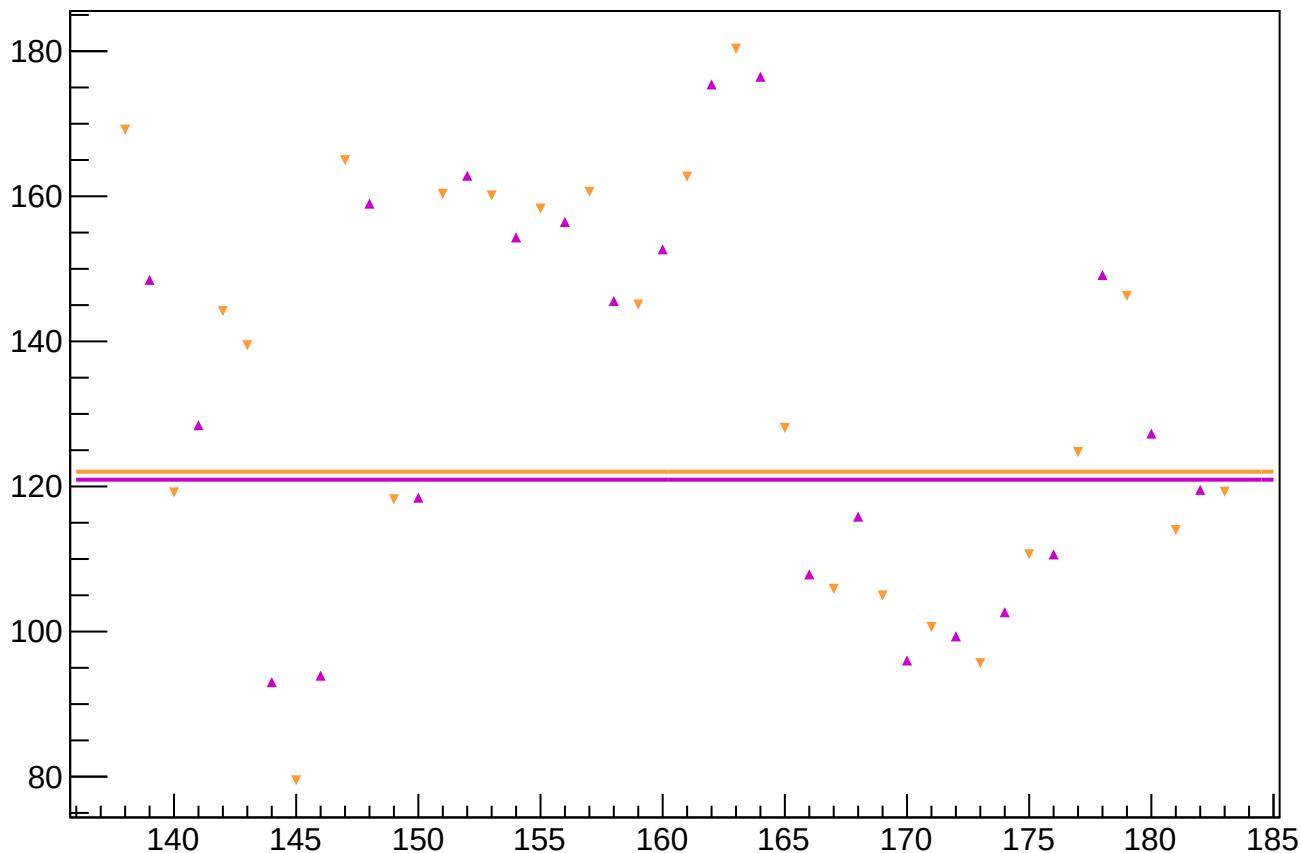
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 29.957+/-29.936 χ^2/NDF :29.8/21

Out: -101.983+/-29.402 χ^2/NDF :32.2/23

All: -37.201+/-20.977 χ^2/NDF : 71.8/45

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 122.038+/-0.021 χ^2/NDF :1689221.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 120.935+/-0.021 χ^2/NDF :1382853.3/21

Left: 121.496+/-0.015 χ^2/NDF : 3073457.8/45

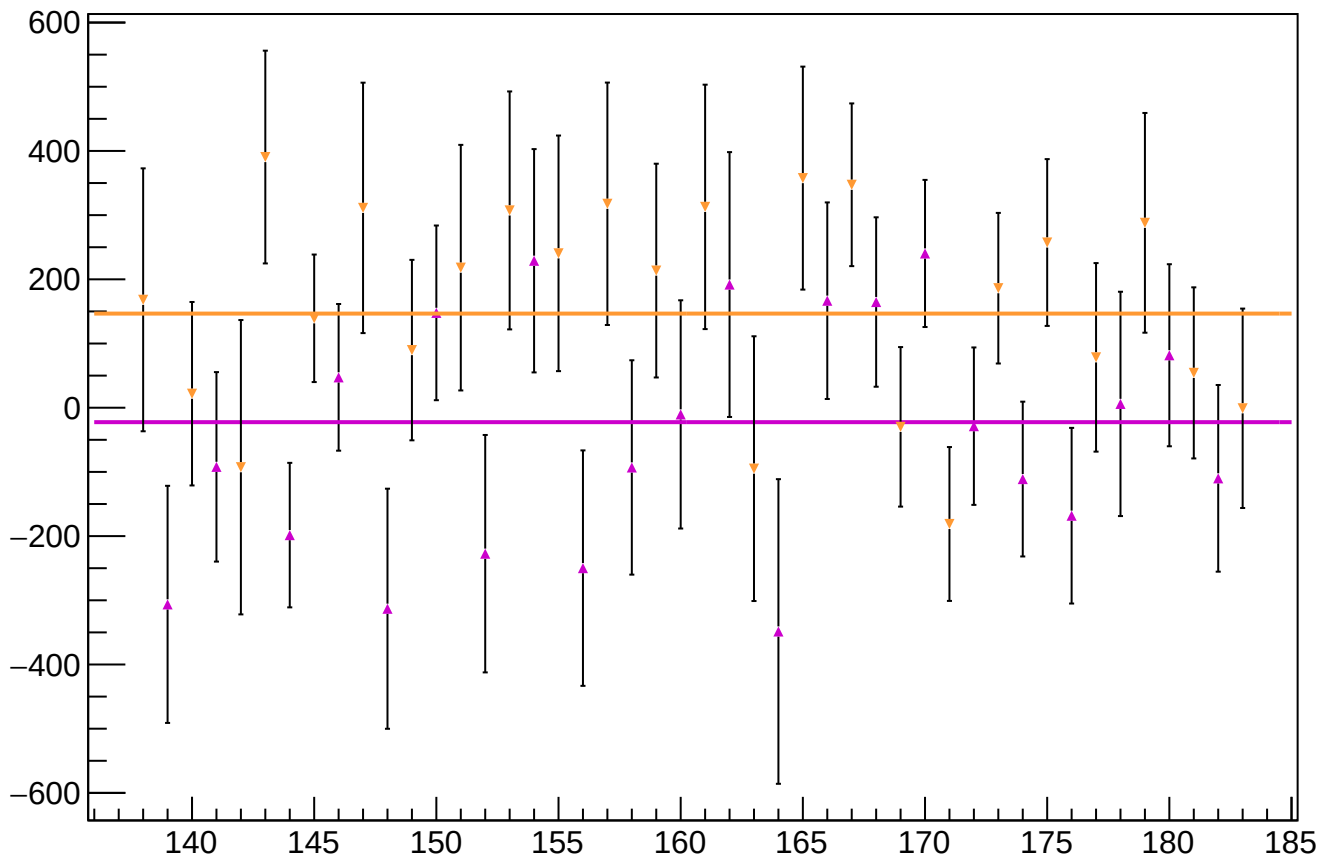
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 120.935+/-0.021 χ^2/NDF :1382853.3/21

Out: 122.038+/-0.021 χ^2/NDF :1689221.3/23

All: 121.496+/-0.015 χ^2/NDF : 3073457.8/45

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 146.627 ± 30.892 $\chi^2/\text{NDF}: 25.8/23$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -22.499 ± 31.482 $\chi^2/\text{NDF}: 28.8/21$

Left: 63.665 ± 22.049 $\chi^2/\text{NDF}: 69.3/45$

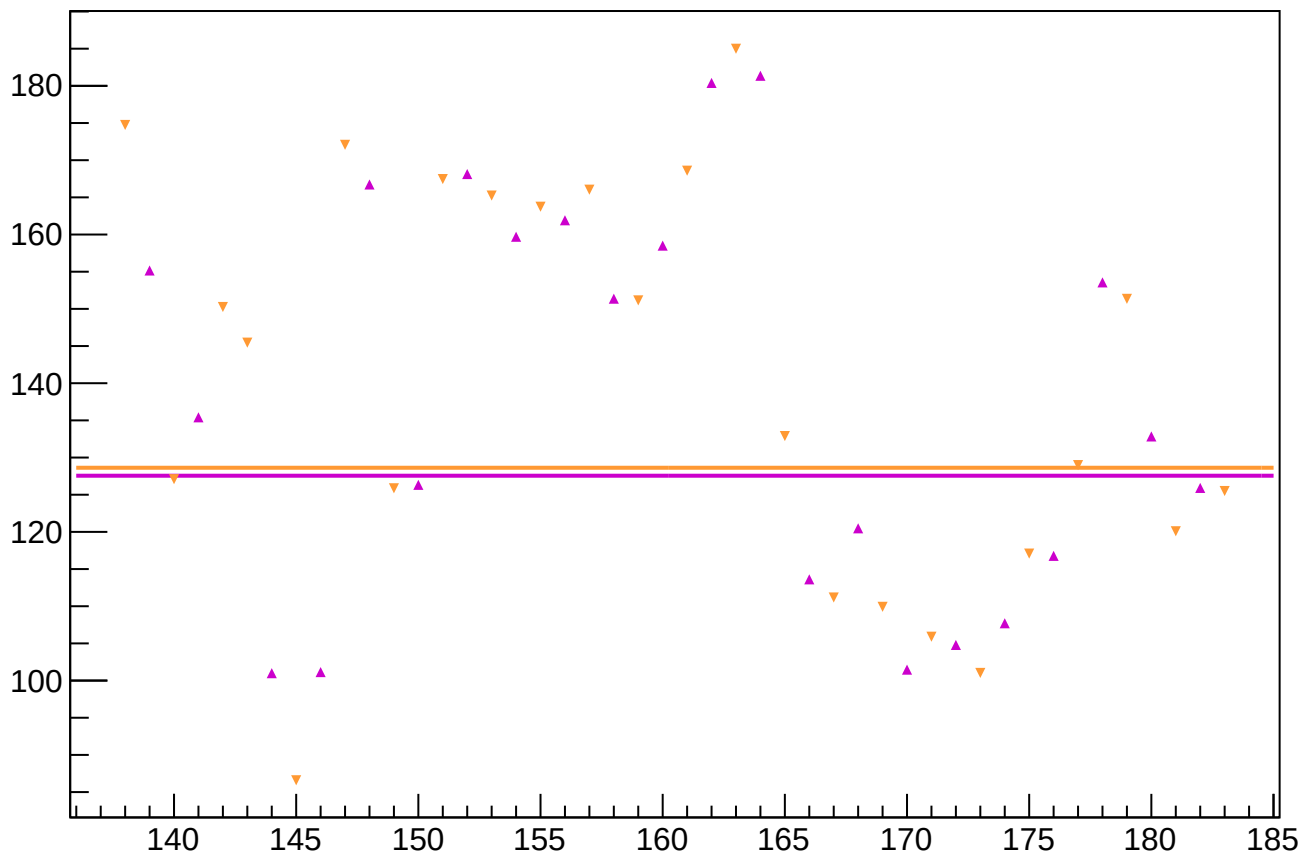
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -22.499 ± 31.482 $\chi^2/\text{NDF}: 28.8/21$

Out: 146.627 ± 30.892 $\chi^2/\text{NDF}: 25.8/23$

All: 63.665 ± 22.049 $\chi^2/\text{NDF}: 69.3/45$

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 128.628+/-0.022 χ^2/NDF :1511865.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 127.557+/-0.022 χ^2/NDF :1235686.2/21

Left: 128.103+/-0.016 χ^2/NDF : 2748732.4/45

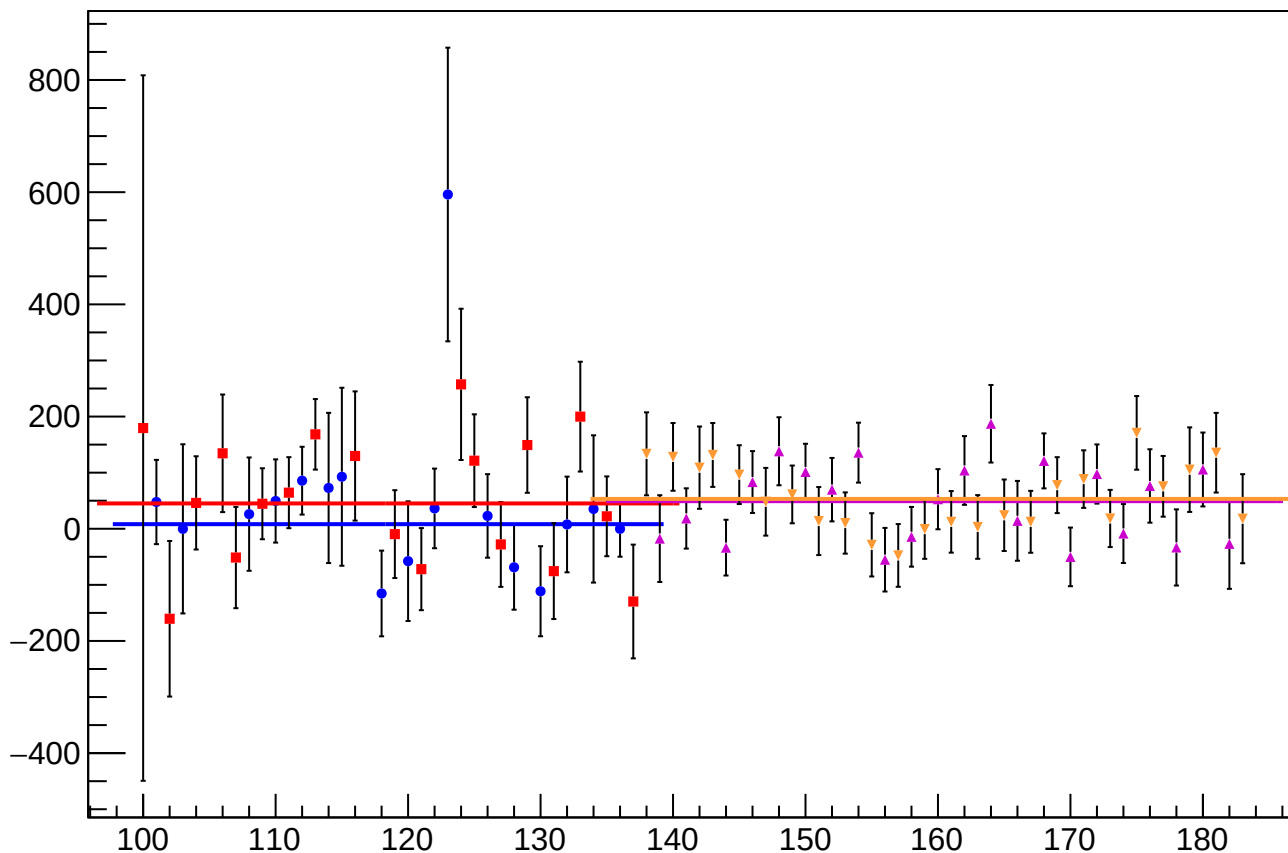
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 127.557+/-0.022 χ^2/NDF :1235686.2/21

Out: 128.628+/-0.022 χ^2/NDF :1511865.3/23

All: 128.103+/-0.016 χ^2/NDF : 2748732.4/45

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 8.177 ± 20.186 χ^2/NDF : 14.3/16

Left Out: 53.197 ± 11.906 χ^2/NDF : 22.0/23

Right Out: 45.139 ± 19.459 χ^2/NDF : 25.0/18

Left In: 49.181 ± 12.305 χ^2/NDF : 31.1/21

Left: 51.256 ± 8.556 χ^2/NDF : 53.2/45

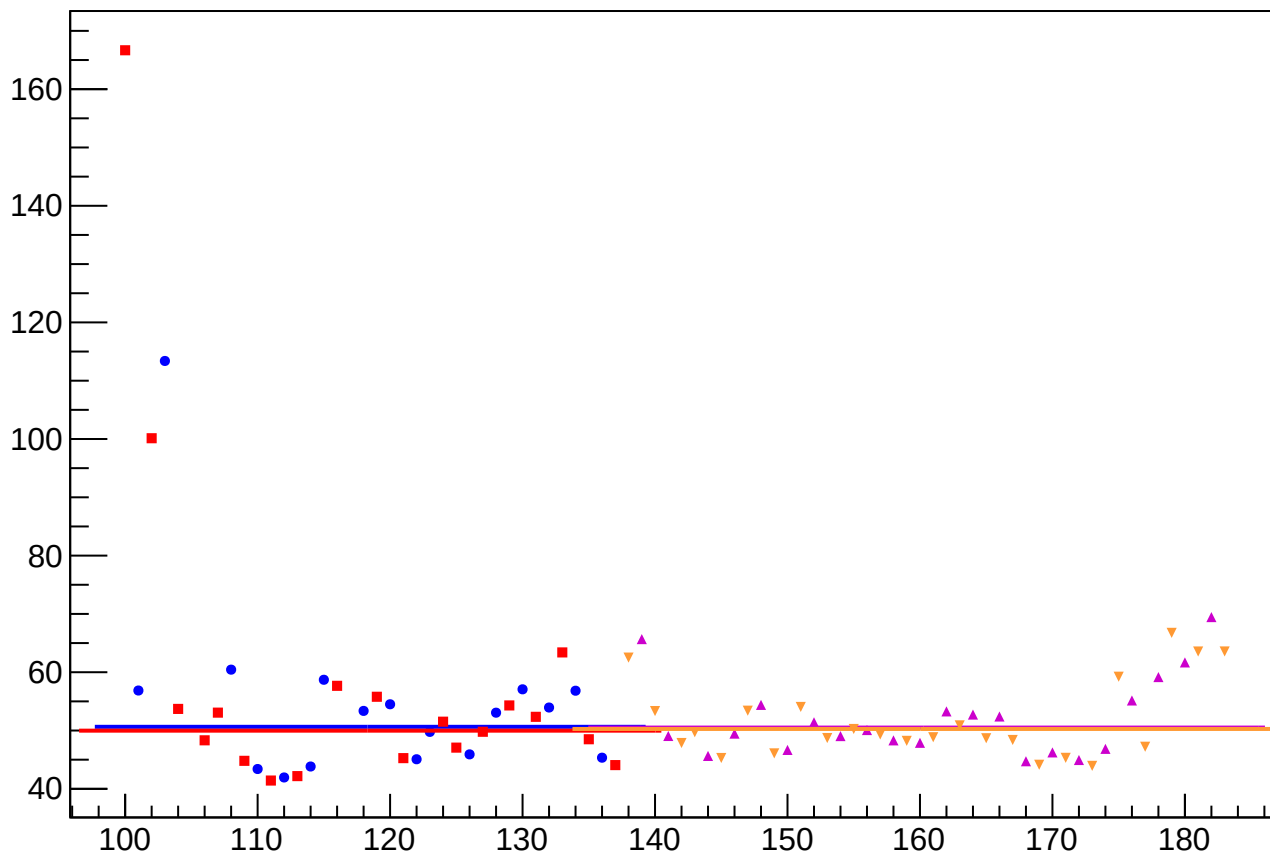
Right: 27.335 ± 14.009 χ^2/NDF : 41.0/35

In: 38.072 ± 10.507 χ^2/NDF : 48.5/38

Out: 51.002 ± 10.156 χ^2/NDF : 47.1/42

All: 44.757 ± 7.302 χ^2/NDF : 96.4/81

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.637 $\pm$ 0.014 χ^2 /NDF: 520284.7/16

Left Out: 50.270 $\pm$ 0.008 χ^2 /NDF: 462143.4/23

Right Out: 49.978 $\pm$ 0.014 χ^2 /NDF: 500945.1/18

Left In: 50.507 $\pm$ 0.009 χ^2 /NDF: 420671.4/21

Left: 50.385 $\pm$ 0.006 χ^2 /NDF: 883197.2/45

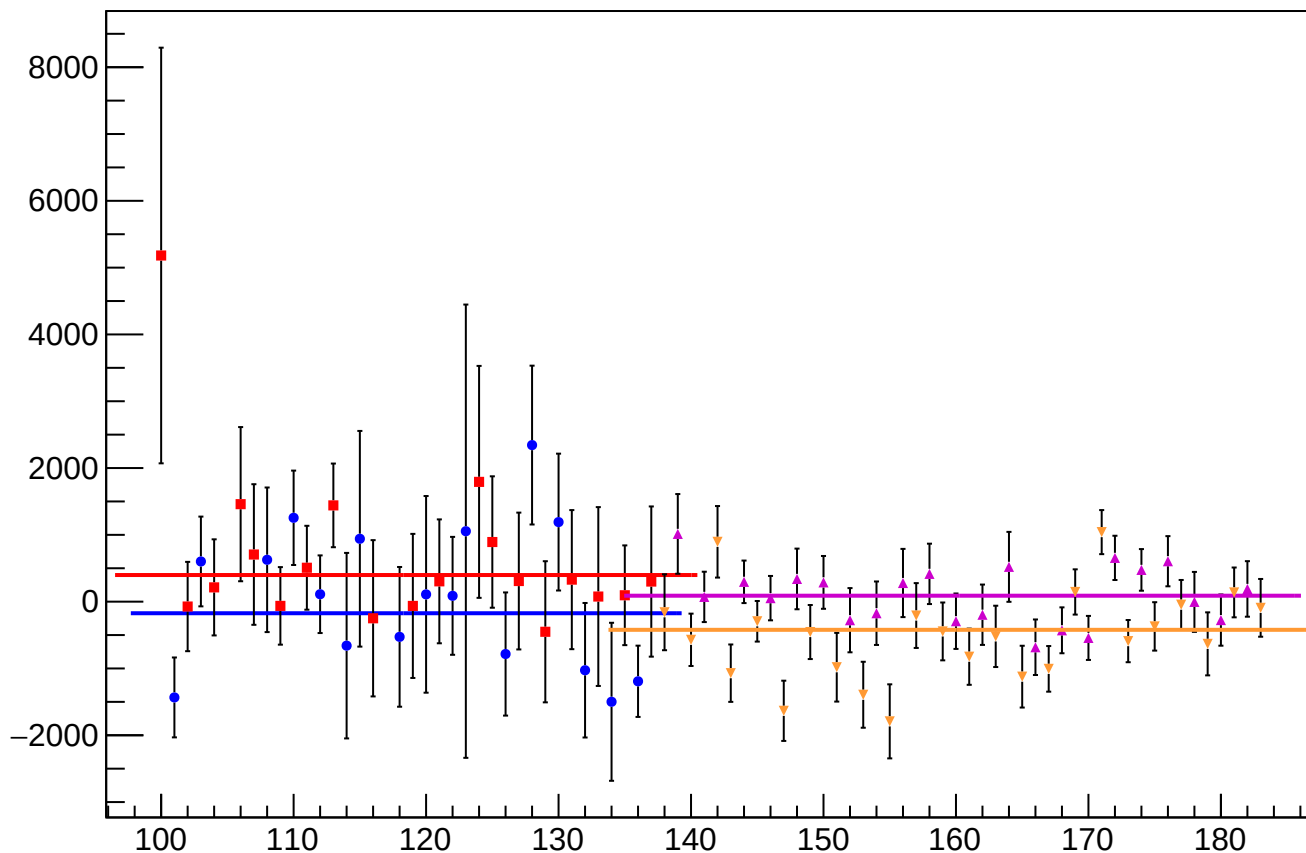
Right: 50.295 $\pm$ 0.010 χ^2 /NDF: 1022337.4/35

In: 50.543 $\pm$ 0.007 χ^2 /NDF: 941016.8/38

Out: 50.191 $\pm$ 0.007 χ^2 /NDF: 963418.0/42

All: 50.361 $\pm$ 0.005 χ^2 /NDF: 1905594.0/81

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -173.371+/-210.671 χ^2/NDF : 23.9/16

Left Out: -421.618+/-83.148 χ^2/NDF : 60.5/23

Right Out: 398.617+/-204.042 χ^2/NDF : 9.6/18

Left In: 89.078+/-84.688 χ^2/NDF : 23.6/21

Left: -170.957+/-59.331 χ^2/NDF : 102.7/45

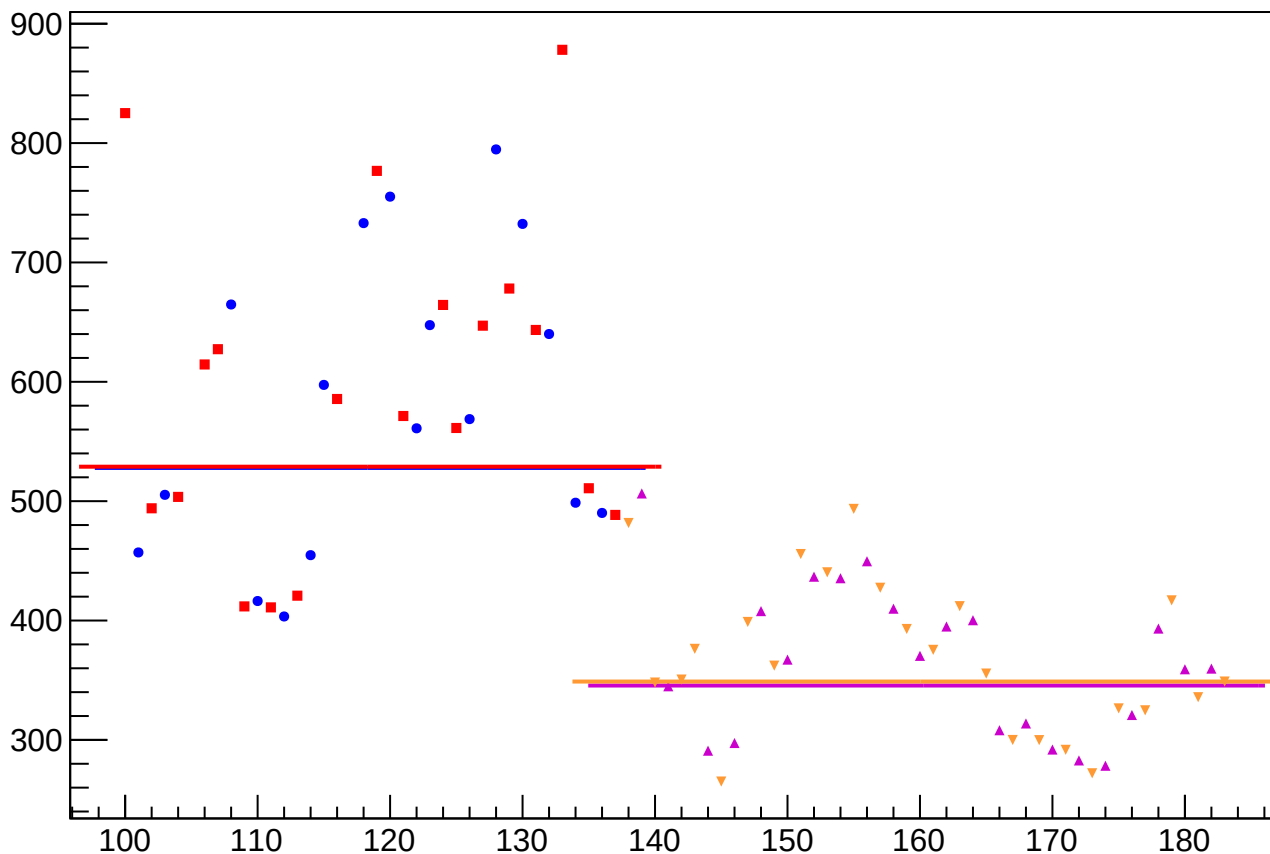
Right: 121.764+/-146.567 χ^2/NDF : 37.3/35

In: 52.567+/-78.577 χ^2/NDF : 48.9/38

Out: -304.808+/-77.000 χ^2/NDF : 83.9/42

All: -129.743+/-54.996 χ^2/NDF : 143.4/81

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.871 $\pm$ 0.149 χ^2 /NDF: 563444.4/16

Left Out: 348.882 $\pm$ 0.059 χ^2 /NDF: 1028771.4/23

Right Out: 528.886 $\pm$ 0.144 χ^2 /NDF: 625551.4/18

Left In: 345.554 $\pm$ 0.060 χ^2 /NDF: 897768.5/21

Left: 347.249 $\pm$ 0.042 χ^2 /NDF: 1928112.3/45

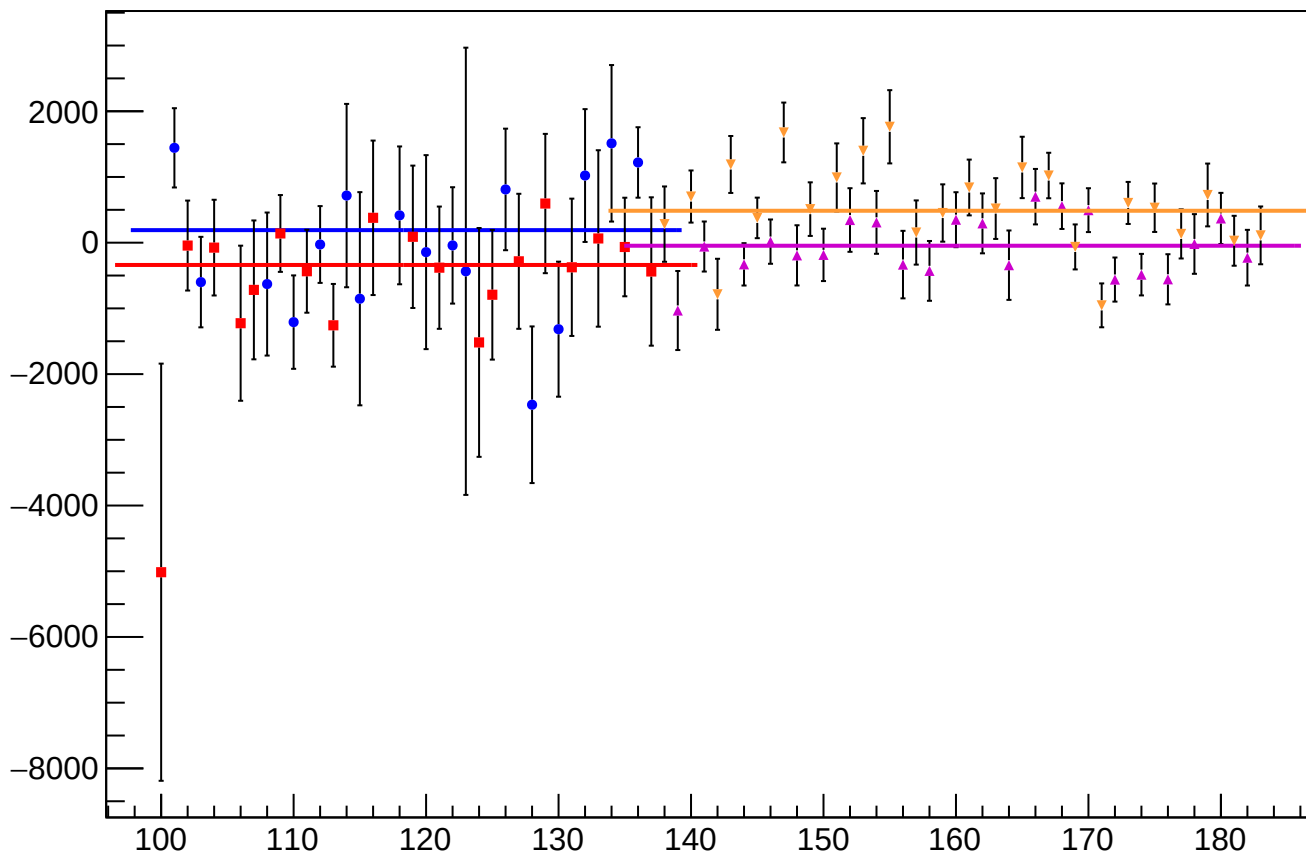
Right: 528.395 $\pm$ 0.104 χ^2 /NDF: 1189019.8/35

In: 370.917 $\pm$ 0.056 χ^2 /NDF: 2750701.7/38

Out: 374.516 $\pm$ 0.054 χ^2 /NDF: 2989191.0/42

All: 372.753 $\pm$ 0.039 χ^2 /NDF: 5742033.0/81

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 190.958 $\pm$ 212.155 χ^2/NDF : 24.1/16

Left Out: 485.801 $\pm$ 84.103 χ^2/NDF : 55.4/23

Right Out: -339.084 $\pm$ 205.618 χ^2/NDF : 8.2/18

Left In: -46.489 $\pm$ 85.678 χ^2/NDF : 23.9/21

Left: 224.593 $\pm$ 60.019 χ^2/NDF : 98.9/45

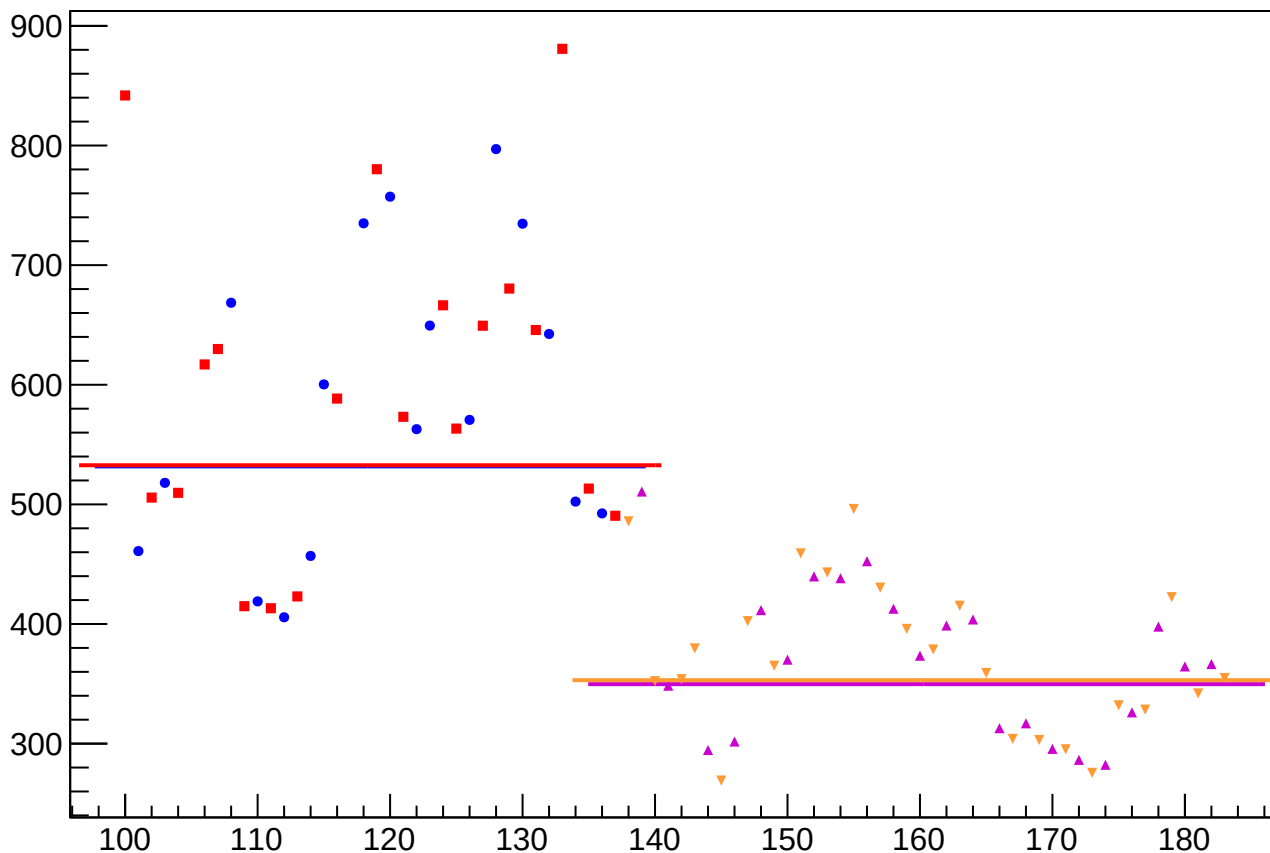
Right: -82.355 $\pm$ 147.651 χ^2/NDF : 35.6/35

In: -13.194 $\pm$ 79.445 χ^2/NDF : 49.1/38

Out: 367.574 $\pm$ 77.843 χ^2/NDF : 77.4/42

All: 181.066 $\pm$ 55.601 χ^2/NDF : 138.2/81

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.765 $\pm$ 0.150 χ^2 /NDF: 555969.6/16

Left Out: 353.034 $\pm$ 0.059 χ^2 /NDF: 1001846.1/23

Right Out: 532.709 $\pm$ 0.145 χ^2 /NDF: 617915.9/18

Left In: 349.726 $\pm$ 0.061 χ^2 /NDF: 874792.6/21

Left: 351.411 $\pm$ 0.042 χ^2 /NDF: 1878156.2/45

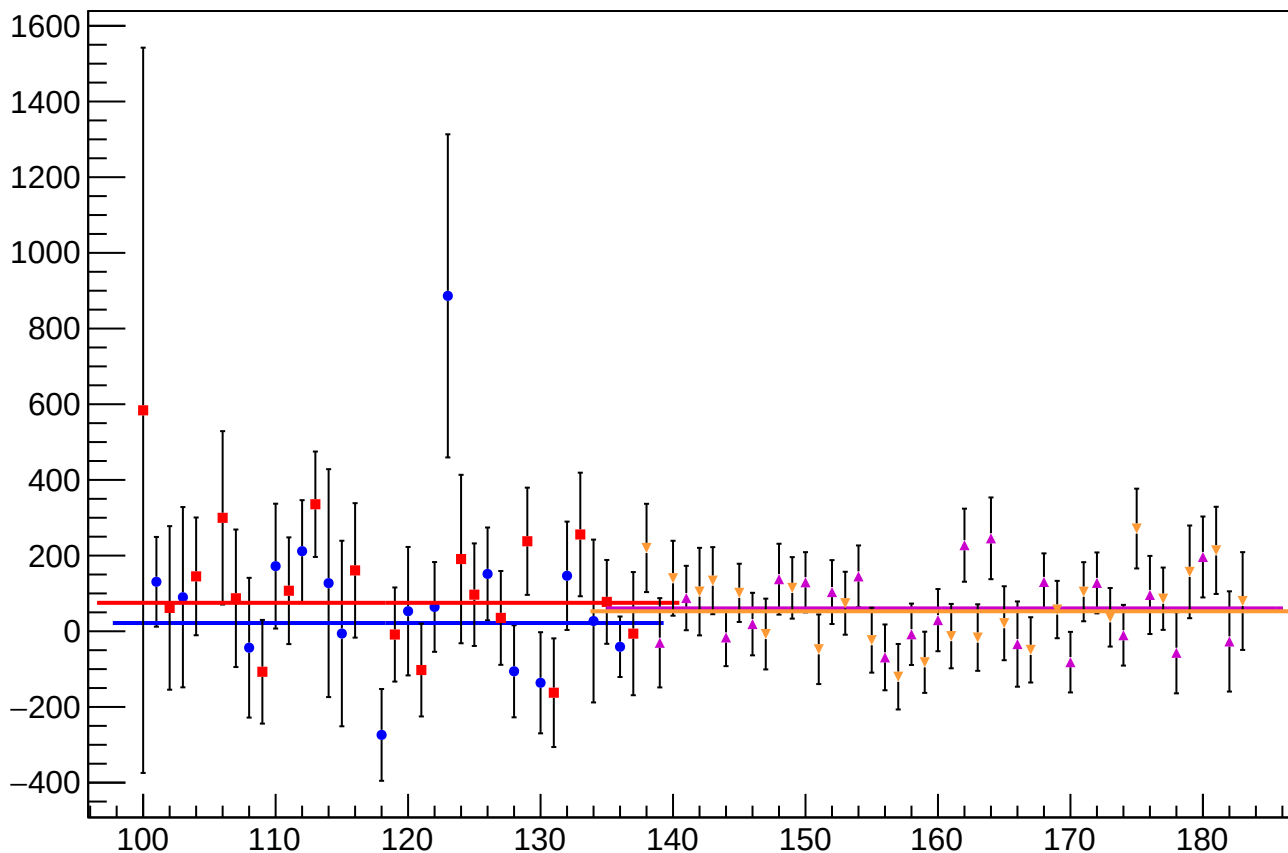
Right: 532.252 $\pm$ 0.104 χ^2 /NDF: 1173906.0/35

In: 375.253 $\pm$ 0.056 χ^2 /NDF: 2696771.1/38

Out: 378.785 $\pm$ 0.055 χ^2 /NDF: 2928040.5/42

All: 377.055 $\pm$ 0.039 χ^2 /NDF: 5626829.5/81

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 21.833+/-34.638 χ^2/NDF : 19.2/16

Left Out: 52.858+/-18.417 χ^2/NDF : 24.5/23

Right Out: 75.207+/-34.800 χ^2/NDF : 15.5/18

Left In: 60.473+/-19.028 χ^2/NDF : 23.3/21

Left: 56.541+/-13.233 χ^2/NDF : 47.8/45

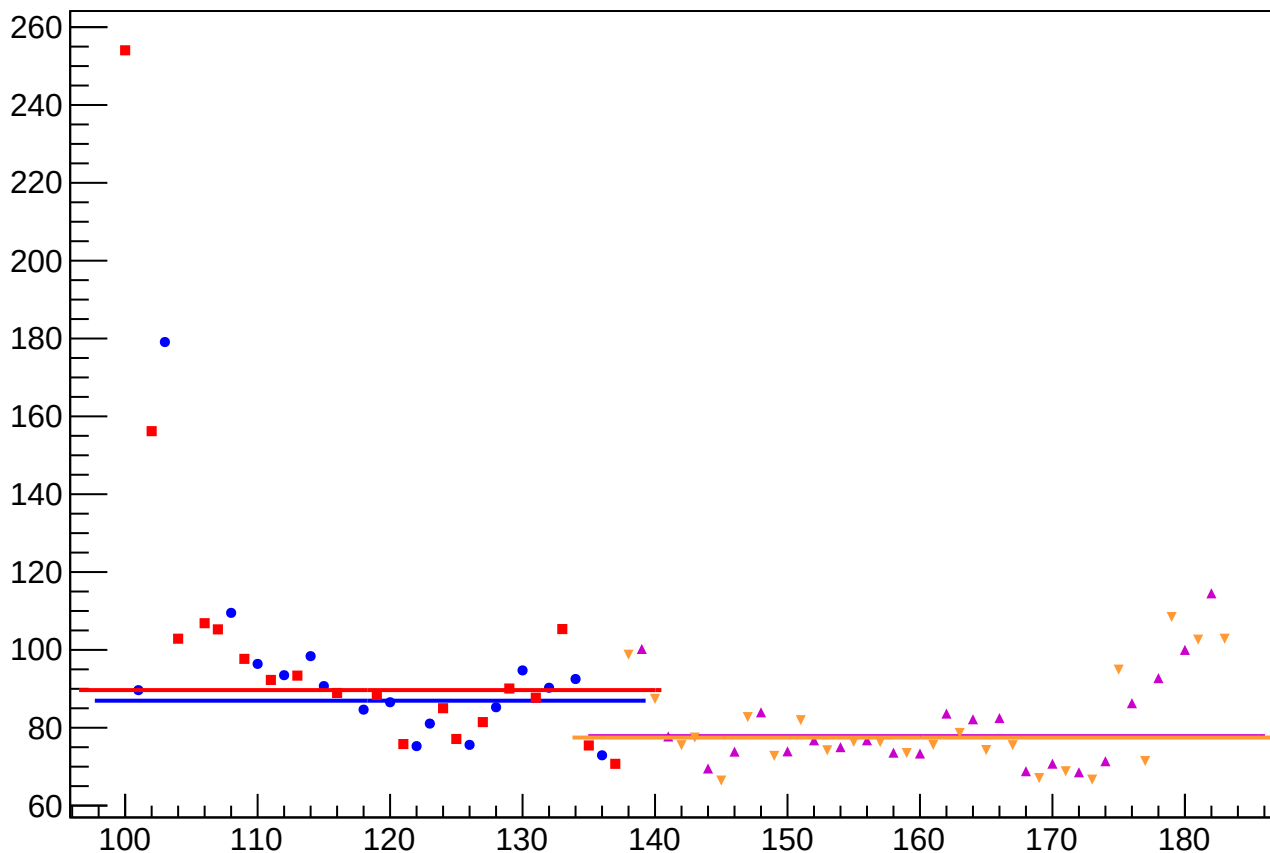
Right: 48.395+/-24.550 χ^2/NDF : 35.9/35

In: 51.515+/-16.677 χ^2/NDF : 43.4/38

Out: 57.748+/-16.278 χ^2/NDF : 40.3/42

All: 54.707+/-11.649 χ^2/NDF : 83.8/81

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.949 $\pm$ 0.024 χ^2 /NDF: 453620.2/16

Left Out: 77.479 $\pm$ 0.013 χ^2 /NDF: 626815.9/23

Right Out: 89.674 $\pm$ 0.025 χ^2 /NDF: 429254.7/18

Left In: 77.844 $\pm$ 0.013 χ^2 /NDF: 517314.9/21

Left: 77.655 $\pm$ 0.009 χ^2 /NDF: 1144510.5/45

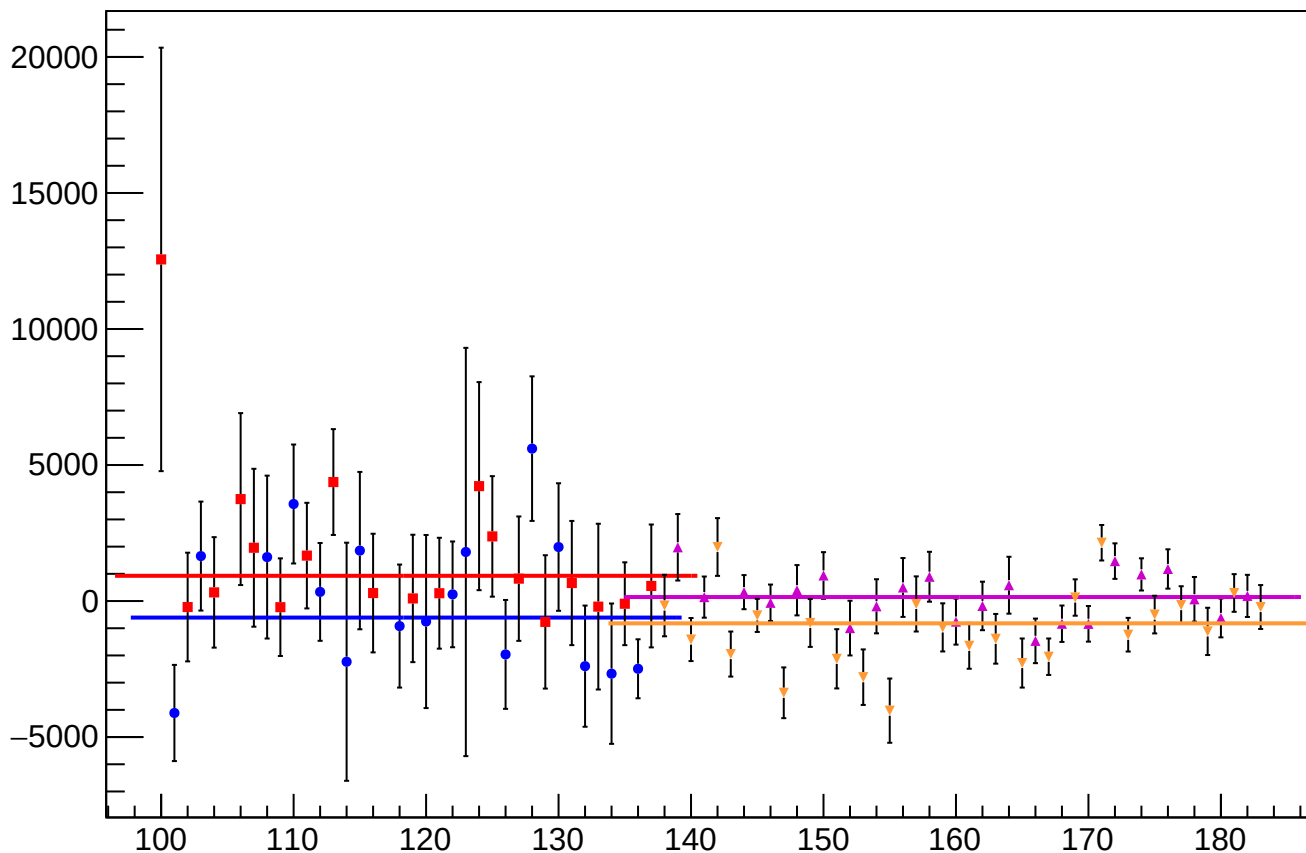
Right: 88.305 $\pm$ 0.017 χ^2 /NDF: 889035.0/35

In: 79.955 $\pm$ 0.012 χ^2 /NDF: 1077098.8/38

Out: 80.147 $\pm$ 0.012 χ^2 /NDF: 1247940.2/42

All: 80.053 $\pm$ 0.008 χ^2 /NDF: 2325175.3/81

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -607.702 $\pm$ 518.220 χ^2 /NDF: 22.3/16

Left Out: -819.010 $\pm$ 164.386 χ^2 /NDF:65.4/23

Right Out: 927.943 $\pm$ 515.777 χ^2 /NDF: 9.9/18

Left In: 147.300 $\pm$ 167.548 χ^2 /NDF:24.5/21

Left: -345.060 $\pm$ 117.340 χ^2 /NDF: 106.9/45

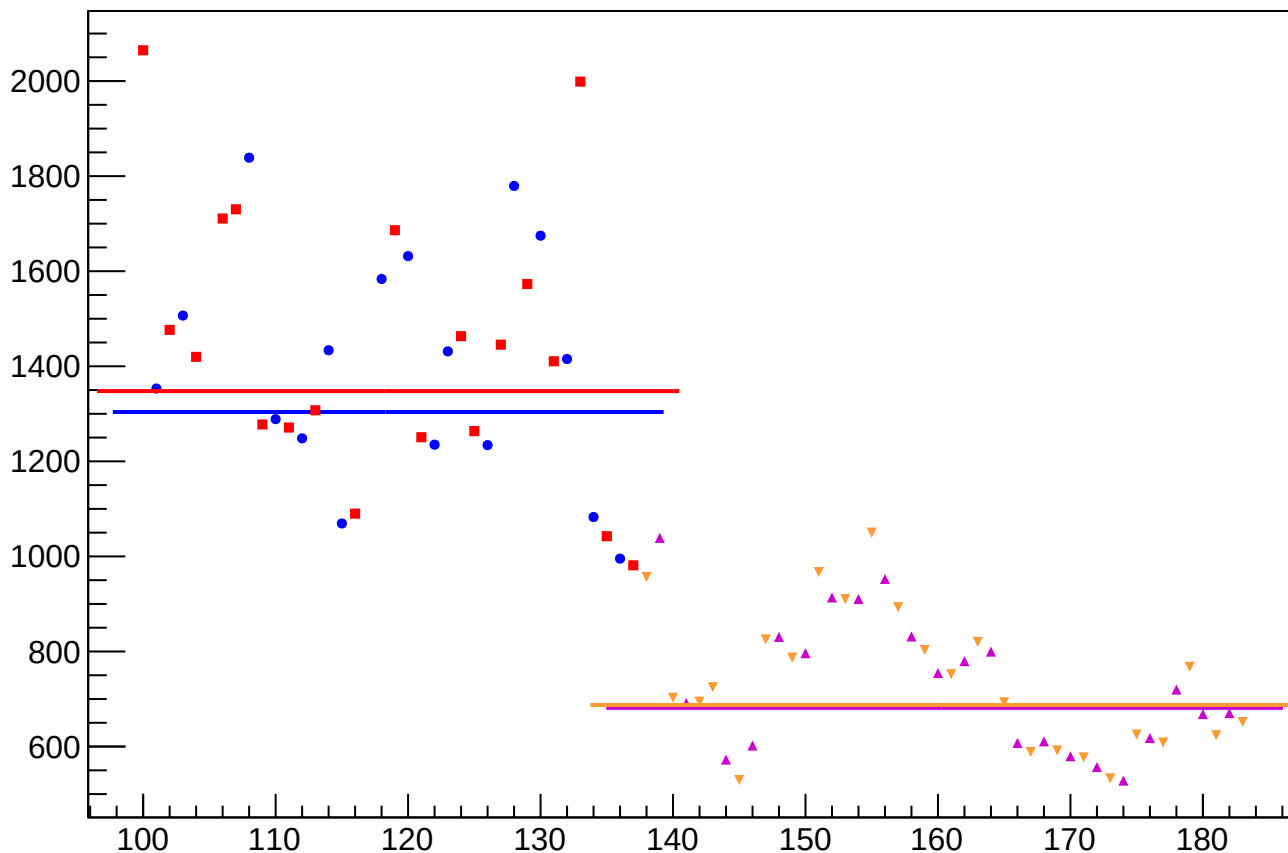
Right: 163.749 $\pm$ 365.570 χ^2 /NDF: 36.6/35

In: 75.847 $\pm$ 159.422 χ^2 /NDF:48.8/38

Out: -657.920 $\pm$ 156.623 χ^2 /NDF:85.7/42

All: -297.535 $\pm$ 111.726 χ^2 /NDF: 145.2/81

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.810+/-0.366 χ^2/NDF : 456027.3/16

Left Out: 687.454+/-0.116 χ^2/NDF : 1254919.8/23

Right Out: 1347.826+/-0.365 χ^2/NDF : 421434.3/18

Left In: 681.419+/-0.118 χ^2/NDF : 1119256.3/21

Left: 684.494+/-0.083 χ^2/NDF : 2375498.2/45

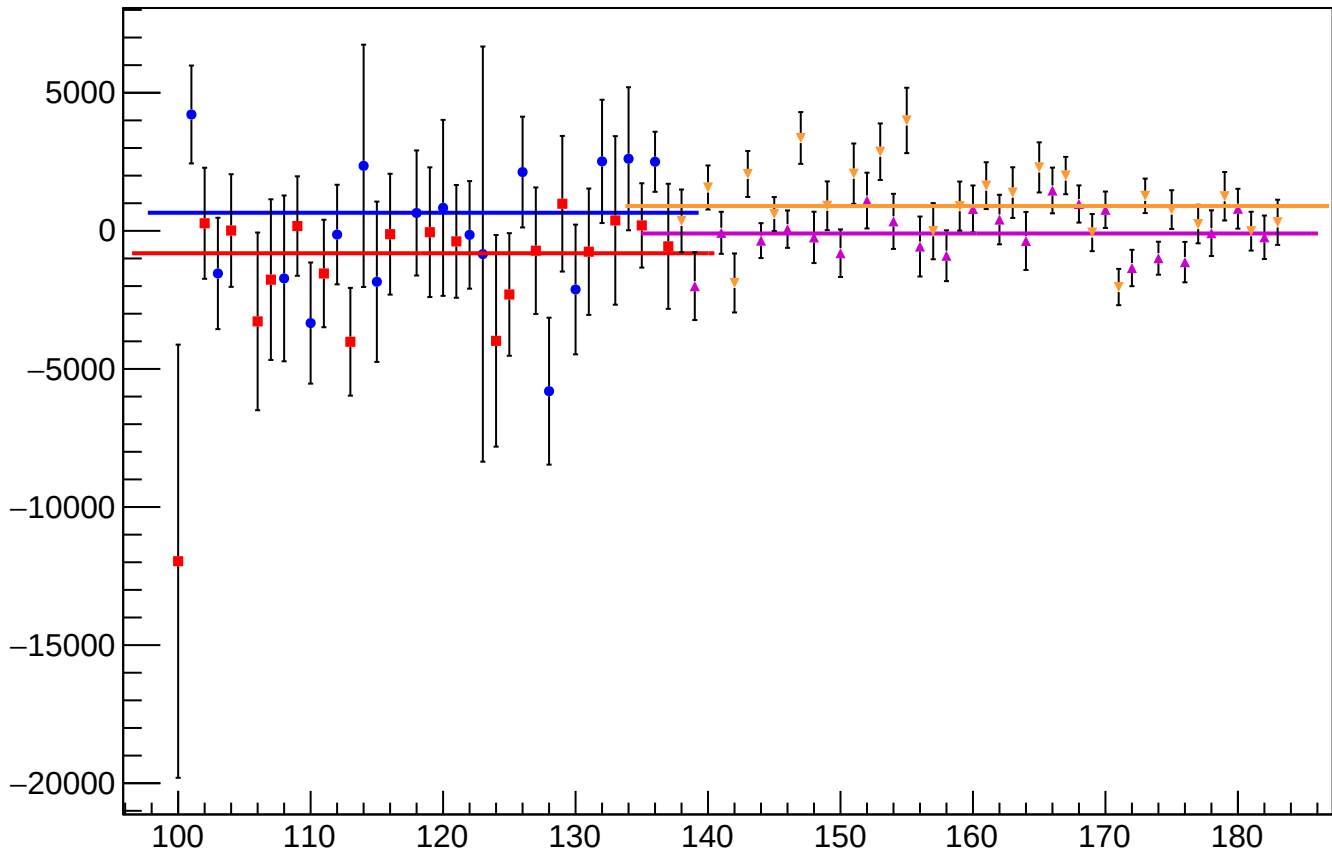
Right: 1325.922+/-0.258 χ^2/NDF : 884709.8/35

In: 740.321+/-0.113 χ^2/NDF : 4187148.8/38

Out: 748.348+/-0.111 χ^2/NDF : 4652596.7/42

All: 744.406+/-0.079 χ^2/NDF : 8842325.4/81

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 655.779 ± 519.695 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 898.586 ± 165.625 $\chi^2/\text{NDF}: 60.9/23$

Right Out: -810.322 ± 517.488 $\chi^2/\text{NDF}: 8.8/18$

Left In: -95.044 ± 168.832 $\chi^2/\text{NDF}: 24.6/21$

Left: 411.296 ± 118.232 $\chi^2/\text{NDF}: 103.2/45$

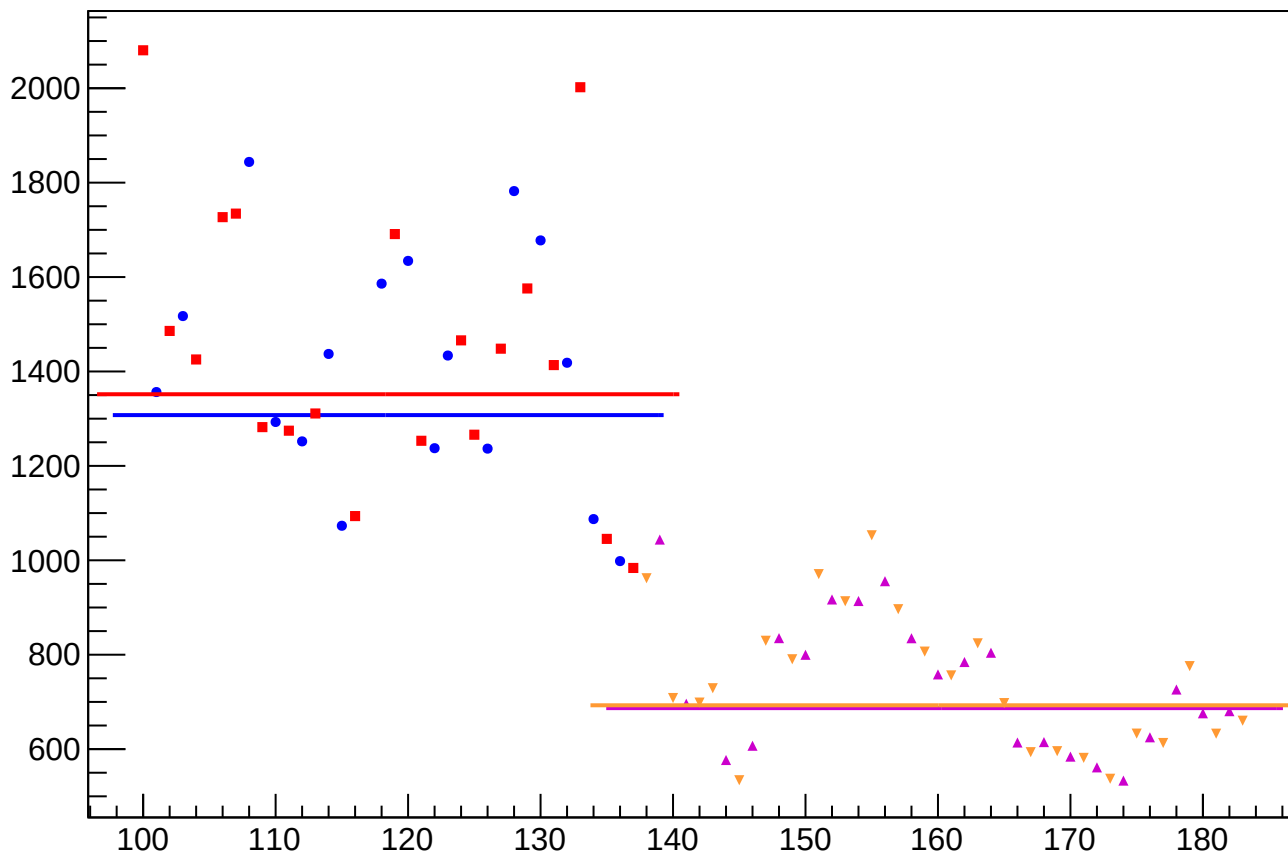
Right: -80.392 ± 366.697 $\chi^2/\text{NDF}: 35.3/35$

In: -23.367 ± 160.571 $\chi^2/\text{NDF}: 48.9/38$

Out: 739.797 ± 157.743 $\chi^2/\text{NDF}: 79.7/42$

All: 364.994 ± 112.528 $\chi^2/\text{NDF}: 140.0/81$

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1307.585 $\pm$ 0.367 χ^2 /NDF: 455146.3/16

Left Out: 692.861 $\pm$ 0.117 χ^2 /NDF:1232831.2/23

Right Out: 1351.755 $\pm$ 0.366 χ^2 /NDF: 422451.1/18

Left In: 686.854 $\pm$ 0.119 χ^2 /NDF:1099125.3/21

Left: 689.915 $\pm$ 0.084 χ^2 /NDF: 2333246.8/45

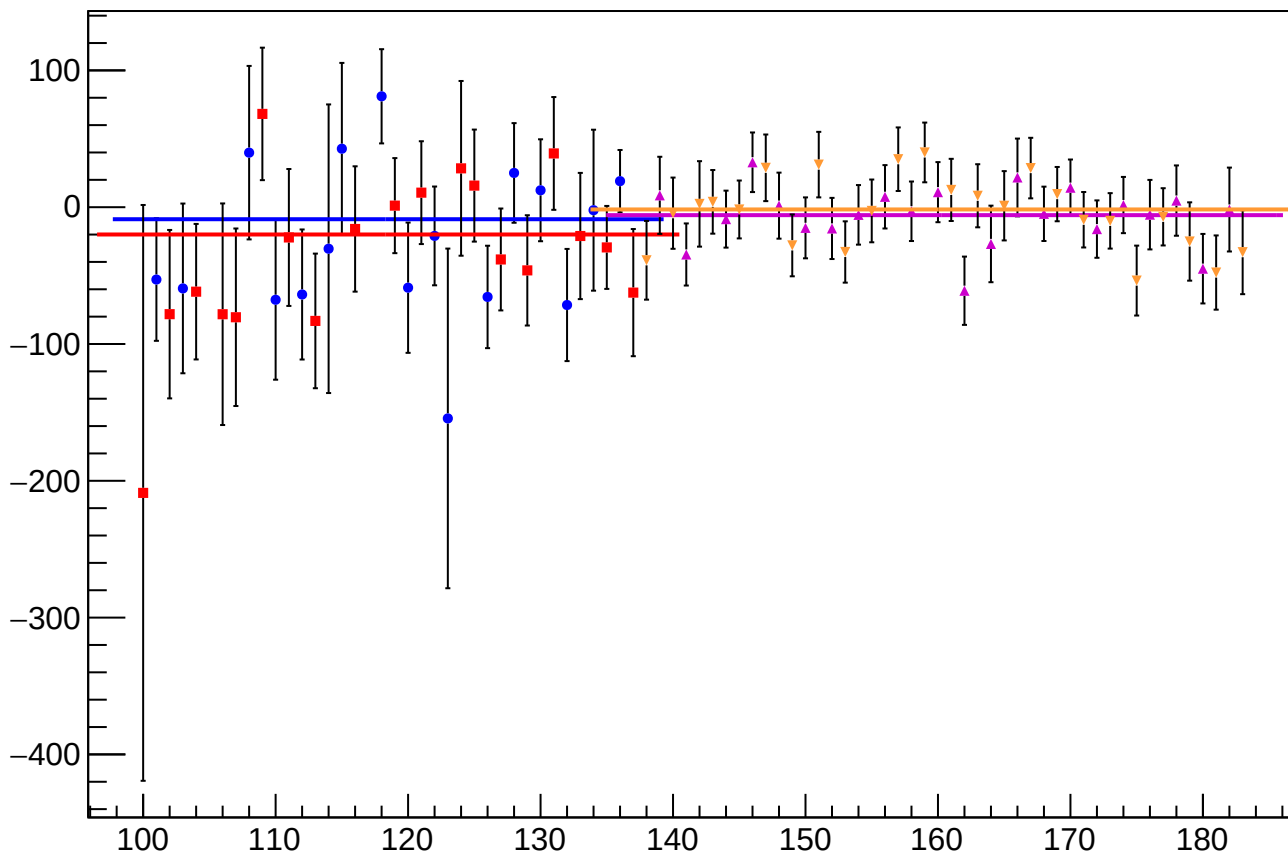
Right: 1329.764 $\pm$ 0.259 χ^2 /NDF: 884852.0/35

In: 746.111 $\pm$ 0.114 χ^2 /NDF:4135141.8/38

Out: 754.084 $\pm$ 0.112 χ^2 /NDF:4596371.4/42

All: 750.168 $\pm$ 0.080 χ^2 /NDF: 8734022.8/81

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -8.789 ± 10.423 $\chi^2/\text{NDF}: 22.0/16$

Left Out: -1.645 ± 4.806 $\chi^2/\text{NDF}: 26.5/23$

Right Out: -19.948 ± 10.470 $\chi^2/\text{NDF}: 14.8/18$

Left In: -5.810 ± 4.949 $\chi^2/\text{NDF}: 16.7/21$

Left: -3.667 ± 3.448 $\chi^2/\text{NDF}: 43.6/45$

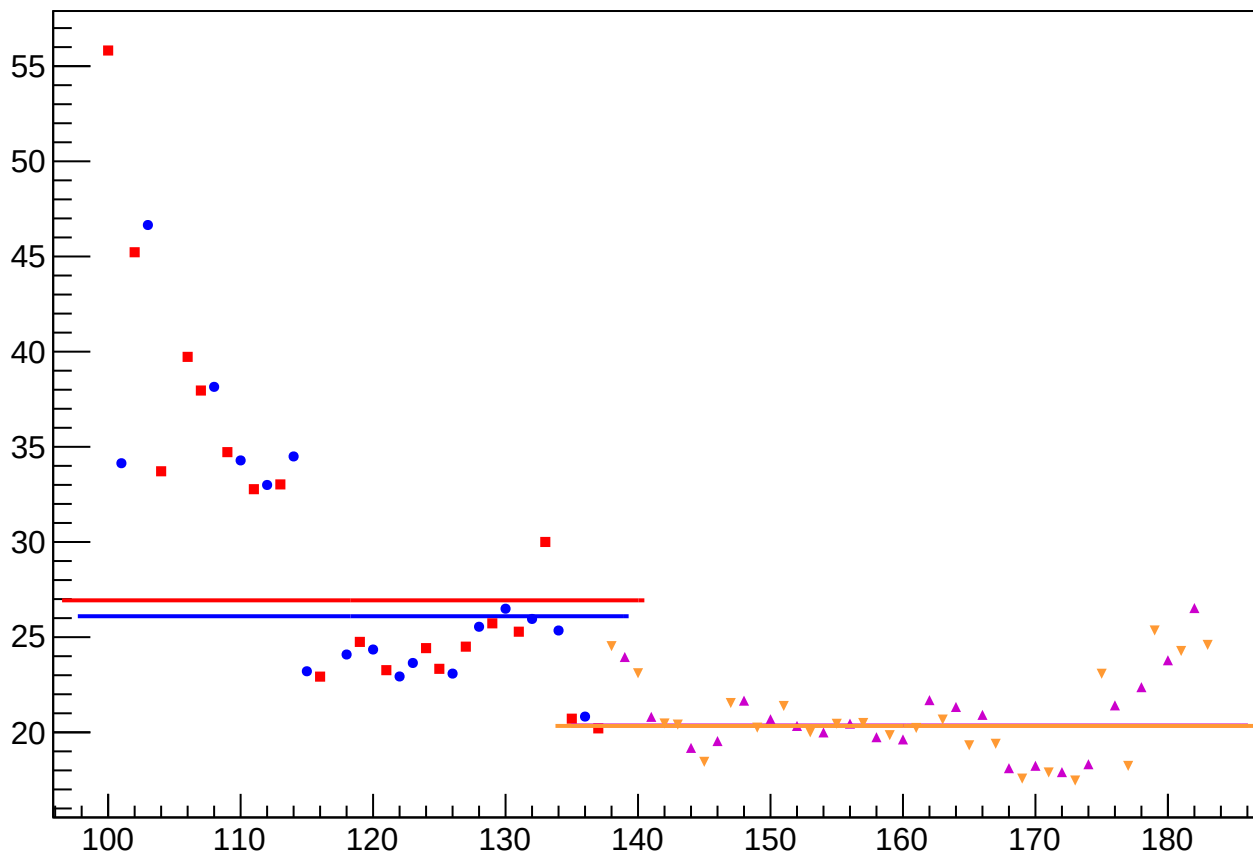
Right: -14.343 ± 7.387 $\chi^2/\text{NDF}: 37.4/35$

In: -6.358 ± 4.470 $\chi^2/\text{NDF}: 38.8/38$

Out: -4.830 ± 4.368 $\chi^2/\text{NDF}: 43.8/42$

All: -5.576 ± 3.124 $\chi^2/\text{NDF}: 82.7/81$

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.100 $\pm$ 0.007 χ^2 /NDF: 601502.5/16

Left Out: 20.337 $\pm$ 0.003 χ^2 /NDF: 391736.1/23

Right Out: 26.935 $\pm$ 0.007 χ^2 /NDF: 677999.1/18

Left In: 20.360 $\pm$ 0.003 χ^2 /NDF: 288763.6/21

Left: 20.348 $\pm$ 0.002 χ^2 /NDF: 680522.7/45

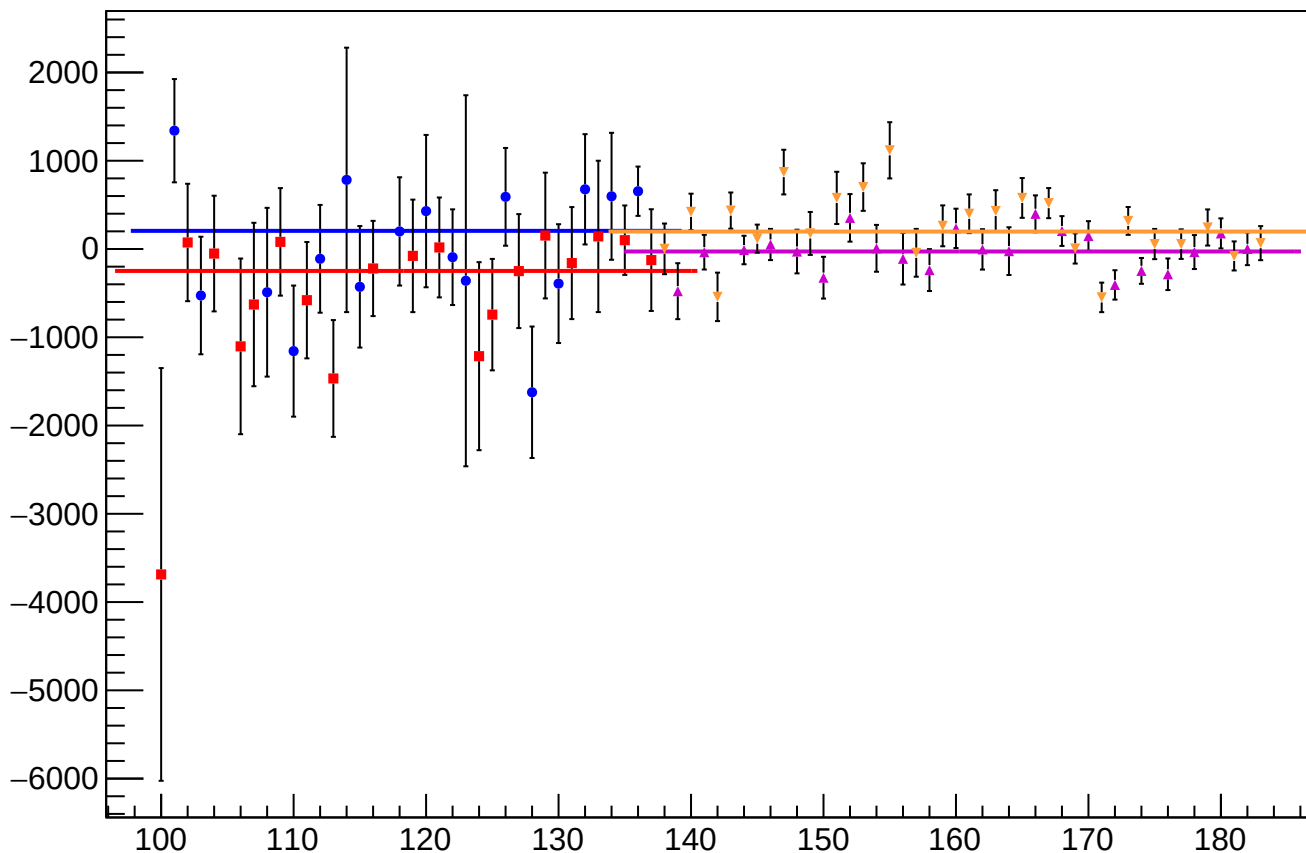
Right: 26.515 $\pm$ 0.005 χ^2 /NDF: 1285891.0/35

In: 21.416 $\pm$ 0.003 χ^2 /NDF: 1385158.1/38

Out: 21.485 $\pm$ 0.003 χ^2 /NDF: 1725748.0/42

All: 21.452 $\pm$ 0.002 χ^2 /NDF: 3111149.3/81

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 205.606 $\pm$ 148.196 χ^2 /NDF: 21.3/16

Left Out: 197.674 $\pm$ 41.793 χ^2 /NDF:66.7/23

Right Out: -248.324 $\pm$ 150.188 χ^2 /NDF: 10.4/18

Left In: -28.146 $\pm$ 42.681 χ^2 /NDF:26.2/21

Left: 87.137 $\pm$ 29.861 χ^2 /NDF: 107.2/45

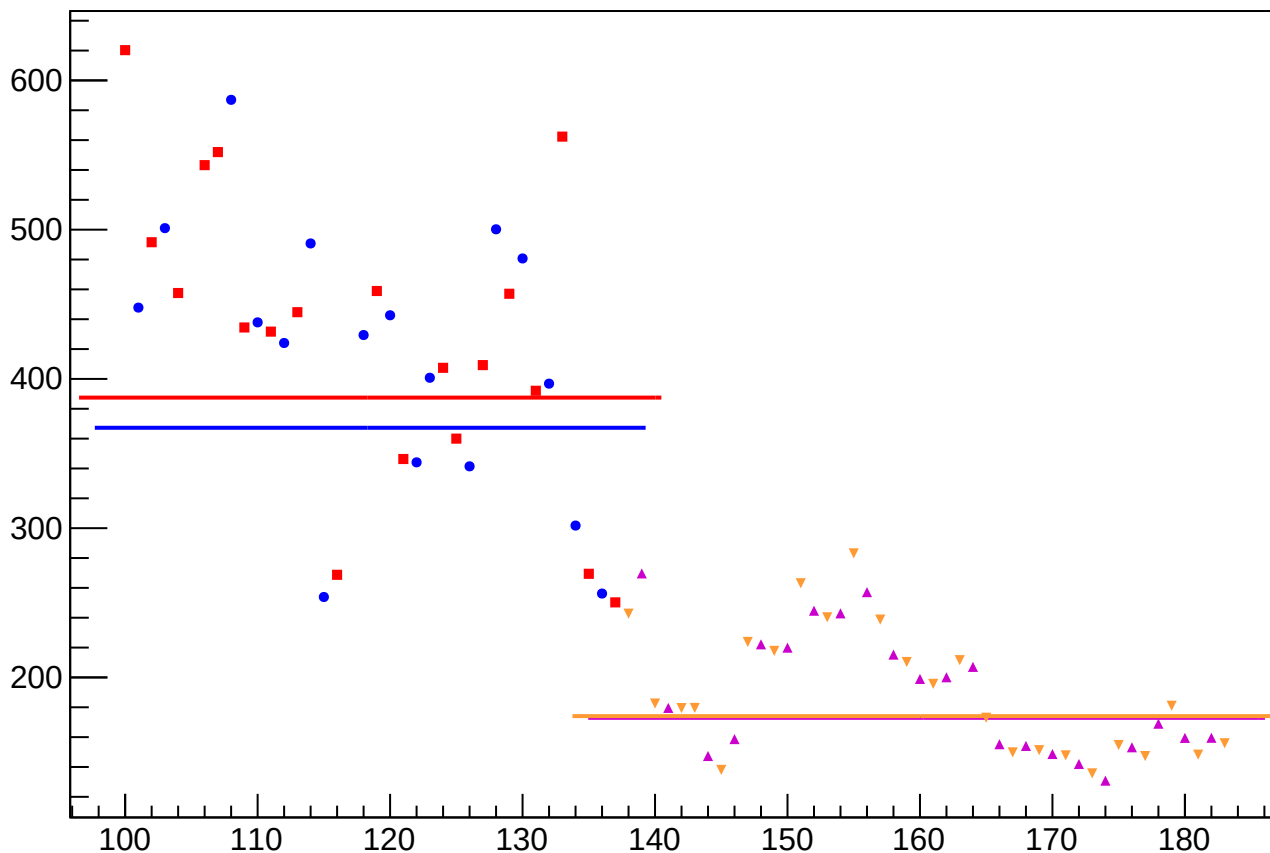
Right: -18.328 $\pm$ 105.488 χ^2 /NDF: 36.4/35

In: -10.242 $\pm$ 41.014 χ^2 /NDF:49.8/38

Out: 165.620 $\pm$ 40.263 χ^2 /NDF:85.3/42

All: 79.313 $\pm$ 28.732 χ^2 /NDF: 144.5/81

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.272 $\pm$ 0.105 χ^2 /NDF: 829589.7/16

Left Out: 174.077 $\pm$ 0.030 χ^2 /NDF: 1523533.6/23

Right Out: 387.481 $\pm$ 0.106 χ^2 /NDF: 774967.1/18

Left In: 172.929 $\pm$ 0.030 χ^2 /NDF: 1371517.8/21

Left: 173.515 $\pm$ 0.021 χ^2 /NDF: 2895789.9/45

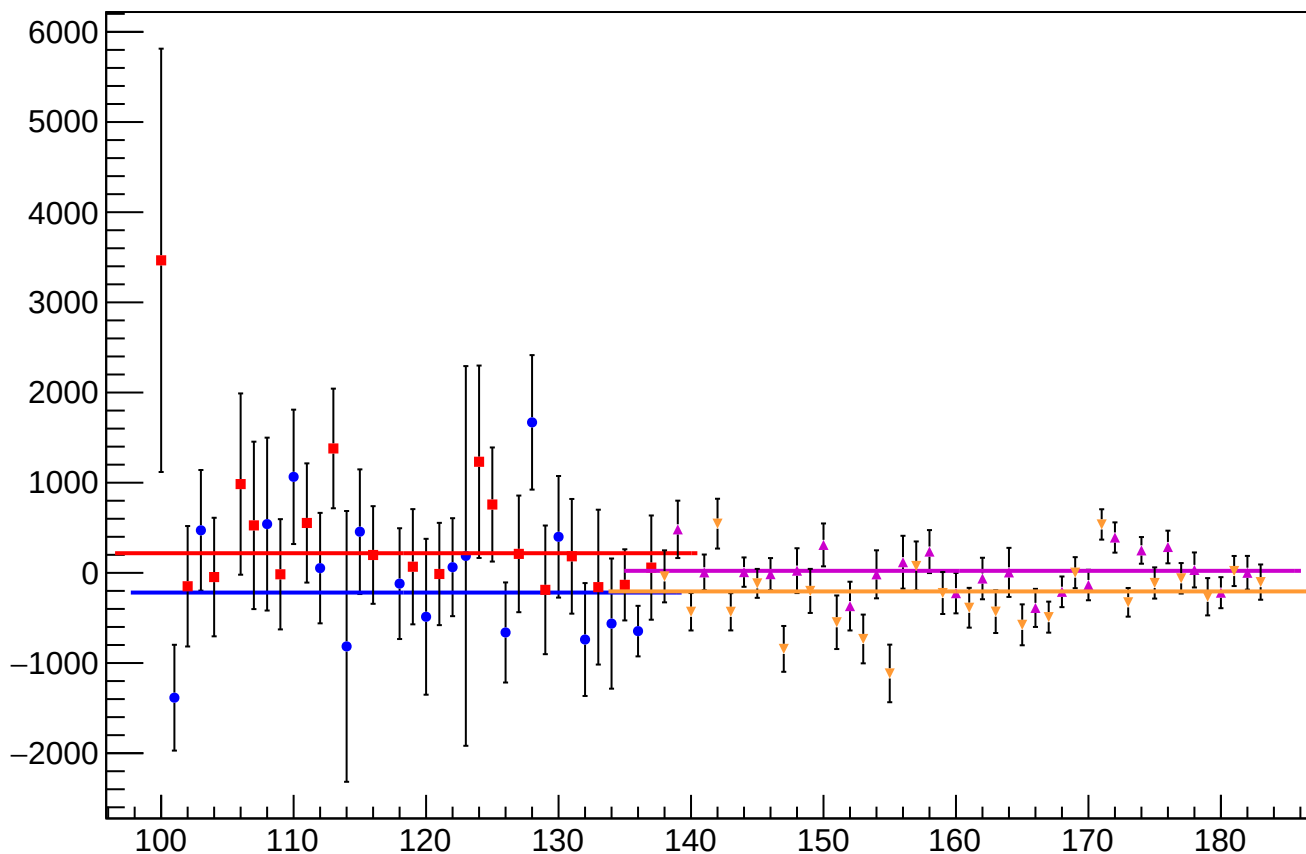
Right: 377.241 $\pm$ 0.075 χ^2 /NDF: 1622903.6/35

In: 187.814 $\pm$ 0.029 χ^2 /NDF: 5377180.7/38

Out: 189.414 $\pm$ 0.028 χ^2 /NDF: 6046254.1/42

All: 188.629 $\pm$ 0.020 χ^2 /NDF: 11424984.0/83

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -218.471 ± 148.628 $\chi^2/NDF: 21.5/16$

Left Out: -205.718 ± 42.121 $\chi^2/NDF: 62.8/23$

Right Out: 217.922 ± 150.640 $\chi^2/NDF: 9.8/18$

Left In: 22.485 ± 43.019 $\chi^2/NDF: 25.9/21$

Left: -94.024 ± 30.096 $\chi^2/NDF: 103.0/45$

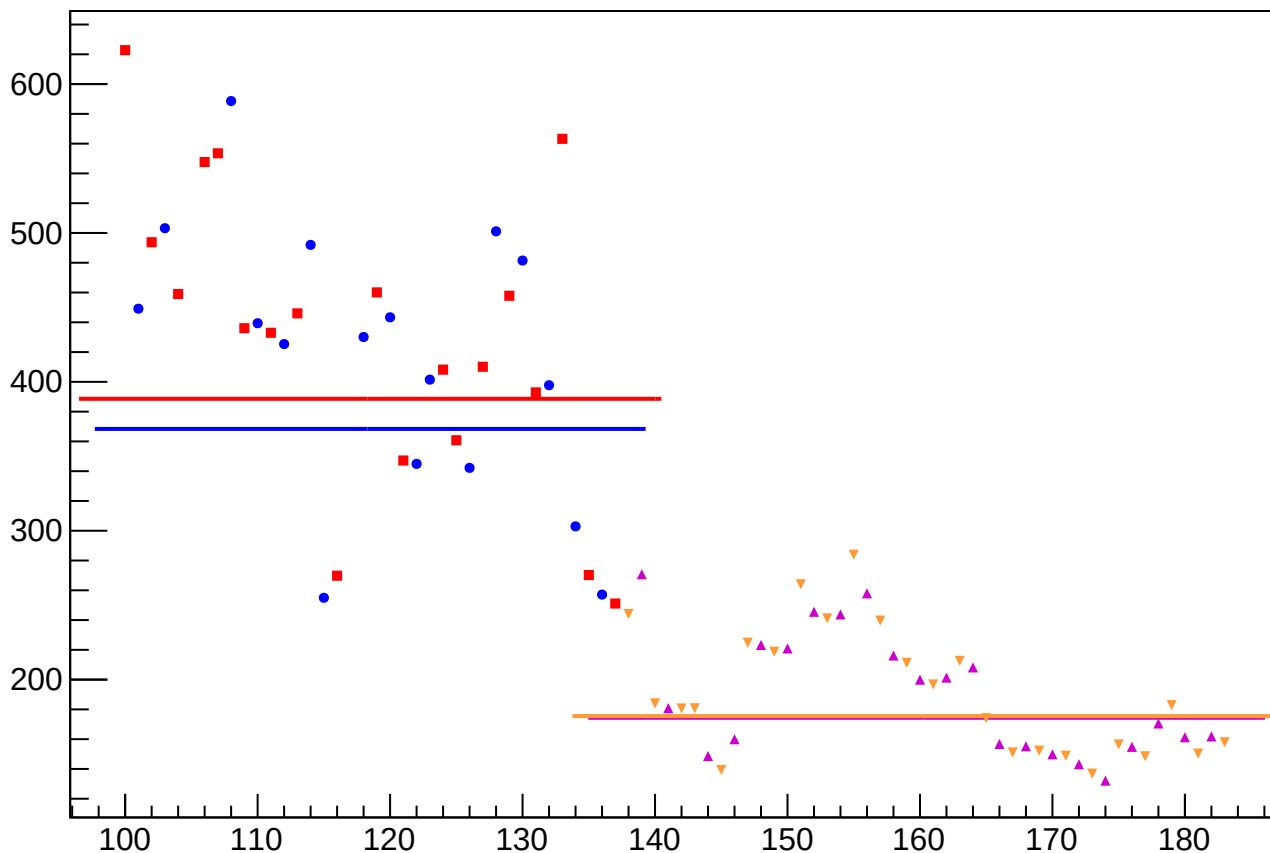
Right: -3.208 ± 105.800 $\chi^2/NDF: 35.5/35$

In: 3.859 ± 41.323 $\chi^2/NDF: 49.7/38$

Out: -174.999 ± 40.565 $\chi^2/NDF: 79.9/42$

All: -87.225 ± 28.948 $\chi^2/NDF: 139.2/81$

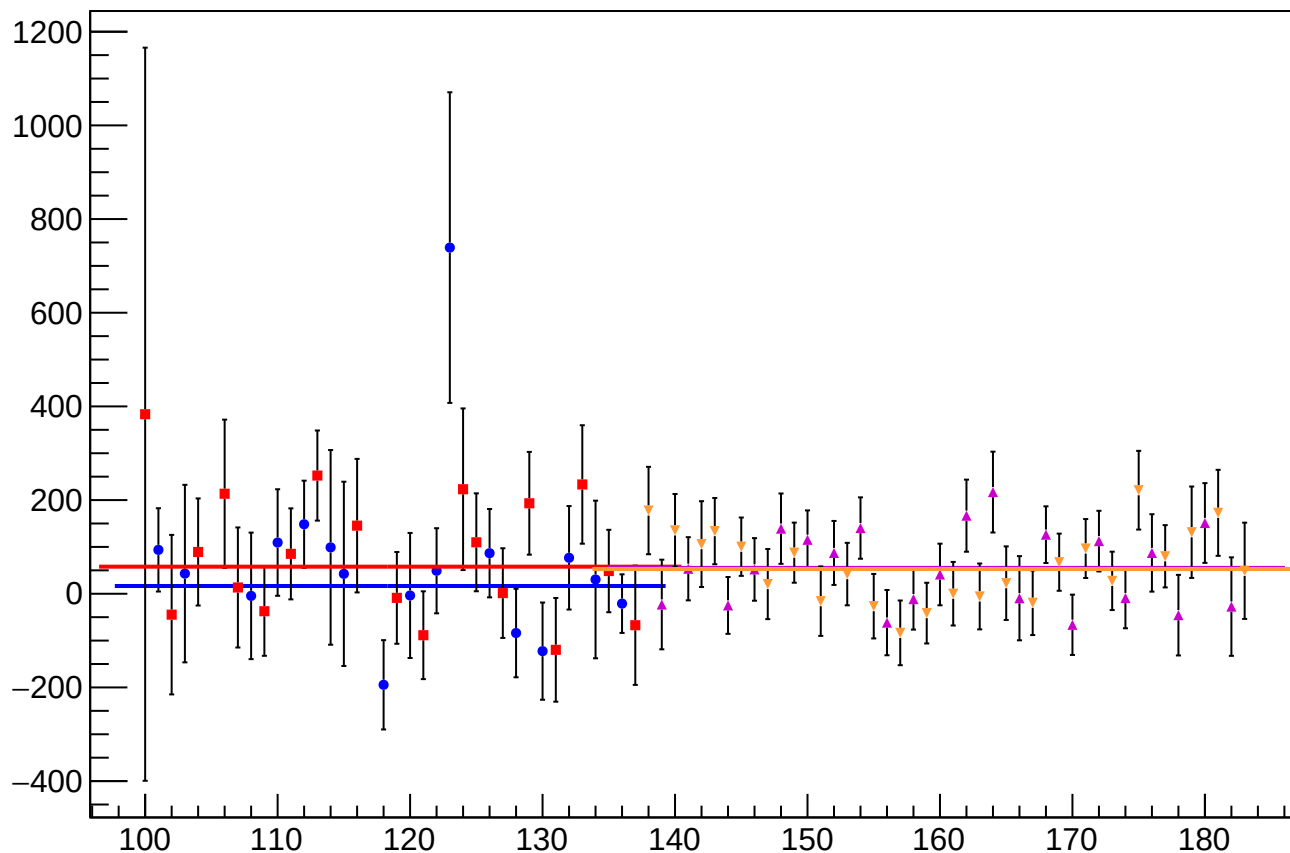
asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.392 $\pm$ 0.105 χ^2 /NDF: 826964.8/16
 Left Out: 175.522 $\pm$ 0.030 χ^2 /NDF: 1494224.9/23
 Right Out: 388.611 $\pm$ 0.107 χ^2 /NDF: 775115.8/18
 Left In: 174.374 $\pm$ 0.030 χ^2 /NDF: 1344337.2/21

Left: 174.960 $\pm$ 0.021 χ^2 /NDF: 2839288.8/45
 Right: 378.366 $\pm$ 0.075 χ^2 /NDF: 1620338.7/35
 In: 189.371 $\pm$ 0.029 χ^2 /NDF: 5315943.2/38
 Out: 190.974 $\pm$ 0.029 χ^2 /NDF: 5981117.5/42
 All: 190.187 $\pm$ 0.020 χ^2 /NDF: 11298591.9/83

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 16.561 $\pm$ 26.377 χ^2 /NDF: 17.6/16

Left Out: 52.840 $\pm$ 14.744 χ^2 /NDF:23.6/23

Right Out: 57.839 $\pm$ 26.196 χ^2 /NDF: 18.7/18

Left In: 55.205 $\pm$ 15.240 χ^2 /NDF:26.6/21

Left: 53.983 $\pm$ 10.596 χ^2 /NDF: 50.3/45

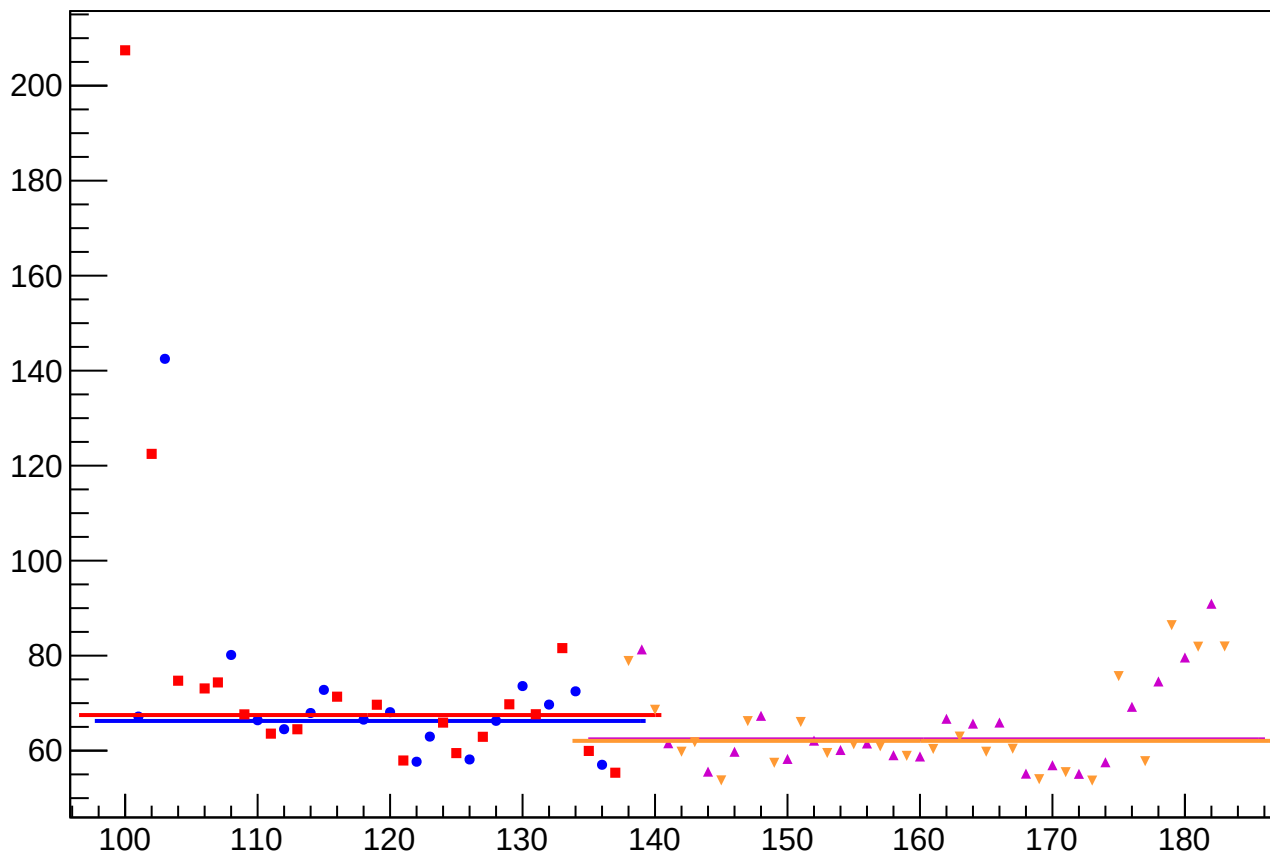
Right: 37.342 $\pm$ 18.587 χ^2 /NDF: 37.5/35

In: 45.533 $\pm$ 13.195 χ^2 /NDF:45.8/38

Out: 54.043 $\pm$ 12.848 χ^2 /NDF:42.3/42

All: 49.901 $\pm$ 9.205 χ^2 /NDF: 88.3/81

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.252 $\pm$ 0.019 χ^2 /NDF: 439625.4/16

Left Out: 62.062 $\pm$ 0.010 χ^2 /NDF: 597867.9/23

Right Out: 67.493 $\pm$ 0.019 χ^2 /NDF: 392346.8/18

Left In: 62.373 $\pm$ 0.011 χ^2 /NDF: 512800.0/21

Left: 62.212 $\pm$ 0.007 χ^2 /NDF: 1111097.5/45

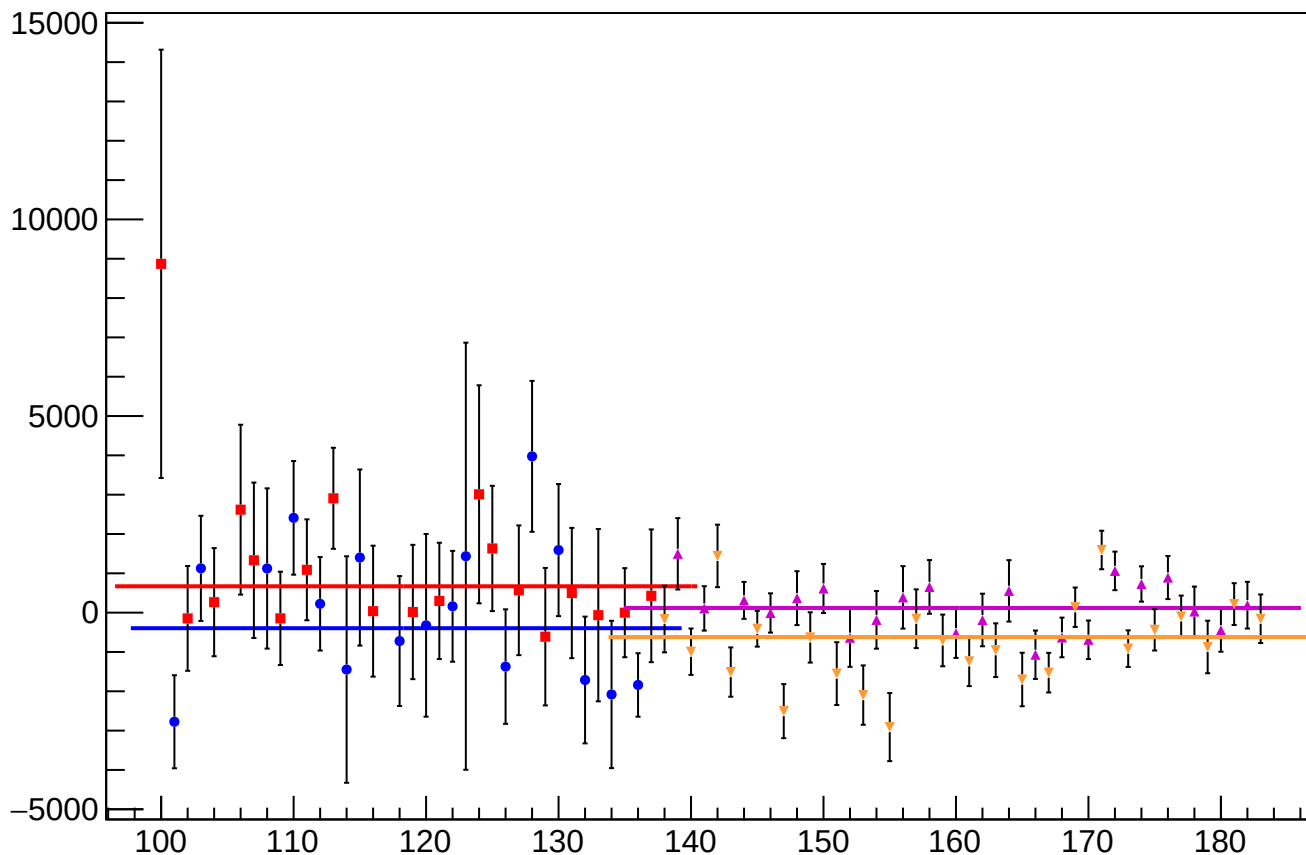
Right: 66.877 $\pm$ 0.013 χ^2 /NDF: 834200.1/35

In: 63.344 $\pm$ 0.009 χ^2 /NDF: 984864.0/38

Out: 63.369 $\pm$ 0.009 χ^2 /NDF: 1055502.5/42

All: 63.357 $\pm$ 0.007 χ^2 /NDF: 2040370.2/81

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -395.700+/-367.296 χ^2/NDF : 22.7/16

Left Out: -620.834+/-123.376 χ^2/NDF :64.2/23

Right Out: 670.465+/-362.692 χ^2/NDF : 9.7/18

Left In: 118.632+/-125.703 χ^2/NDF :24.1/21

Left: -258.009+/-88.051 χ^2/NDF : 105.9/45

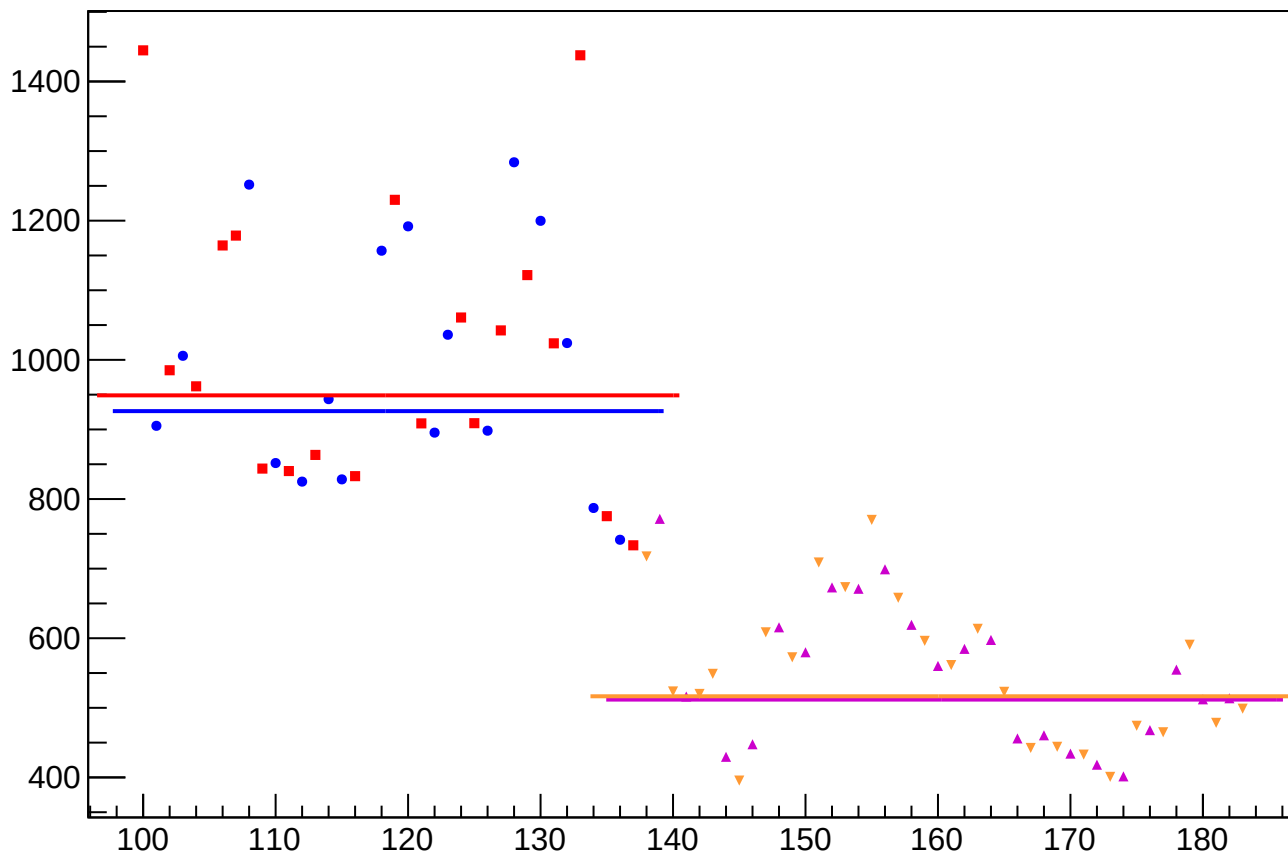
Right: 144.106+/-258.074 χ^2/NDF : 36.7/35

In: 64.706+/-118.931 χ^2/NDF :48.6/38

Out: -486.910+/-116.803 χ^2/NDF :85.3/42

All: -216.081+/-83.334 χ^2/NDF : 144.8/81

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 926.339 ± 0.260 χ^2/NDF : 395813.5/16

Left Out: 516.581 ± 0.087 χ^2/NDF : 1173398.5/23

Right Out: 948.981 ± 0.256 χ^2/NDF : 382928.4/18

Left In: 511.838 ± 0.089 χ^2/NDF : 1040238.8/21

Left: 514.254 ± 0.062 χ^2/NDF : 2215087.8/45

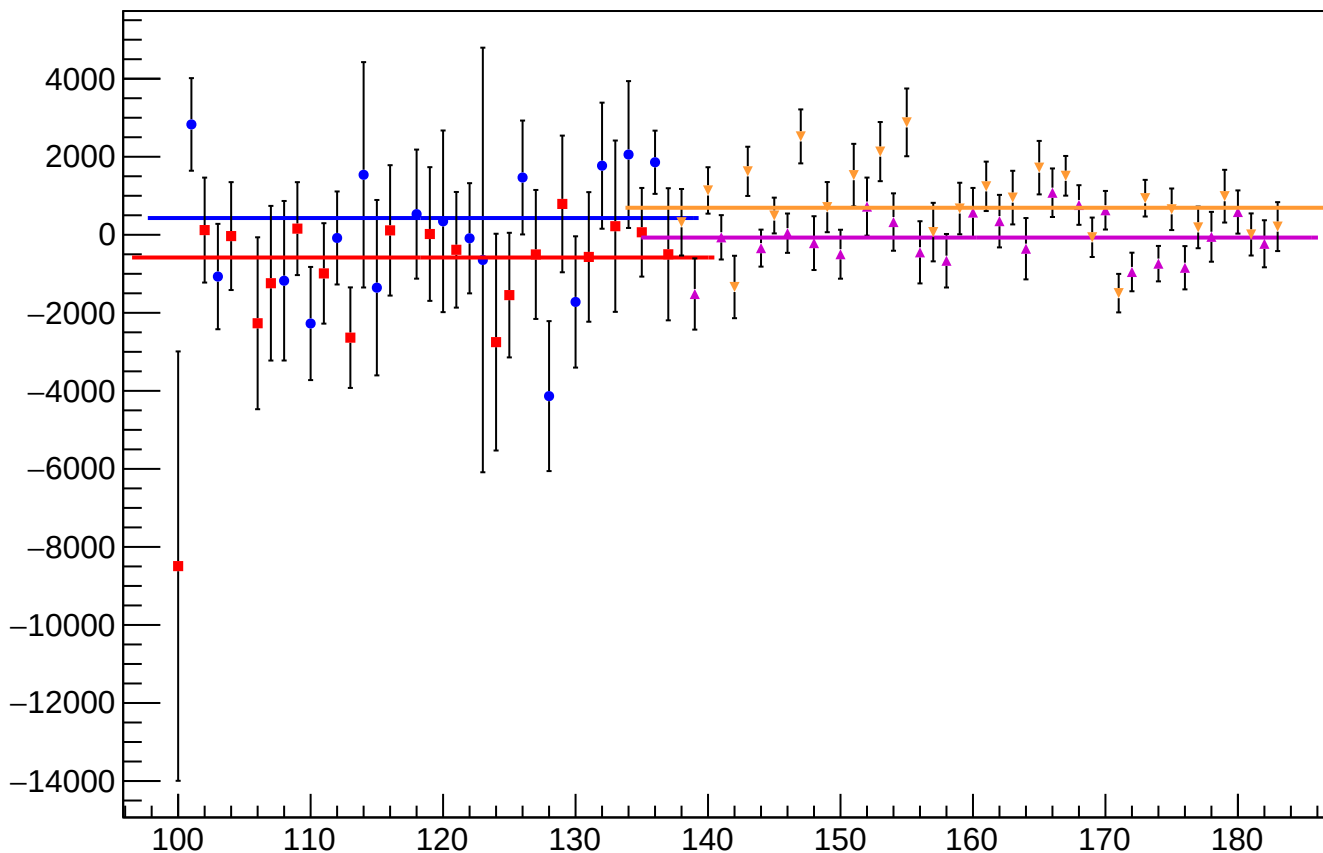
Right: 937.803 ± 0.182 χ^2/NDF : 782589.7/35

In: 555.297 ± 0.084 χ^2/NDF : 3716115.3/38

Out: 561.427 ± 0.083 χ^2/NDF : 4104156.4/42

All: 558.417 ± 0.059 χ^2/NDF : 7822975.6/81

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 429.343+/-368.550 χ^2/NDF : 22.9/16

Left Out: 692.629+/-124.413 χ^2/NDF : 59.5/23

Right Out: -582.178+/-364.139 χ^2/NDF : 8.6/18

Left In: -71.418+/-126.778 χ^2/NDF : 24.2/21

Left: 317.798+/-88.798 χ^2/NDF : 102.2/45

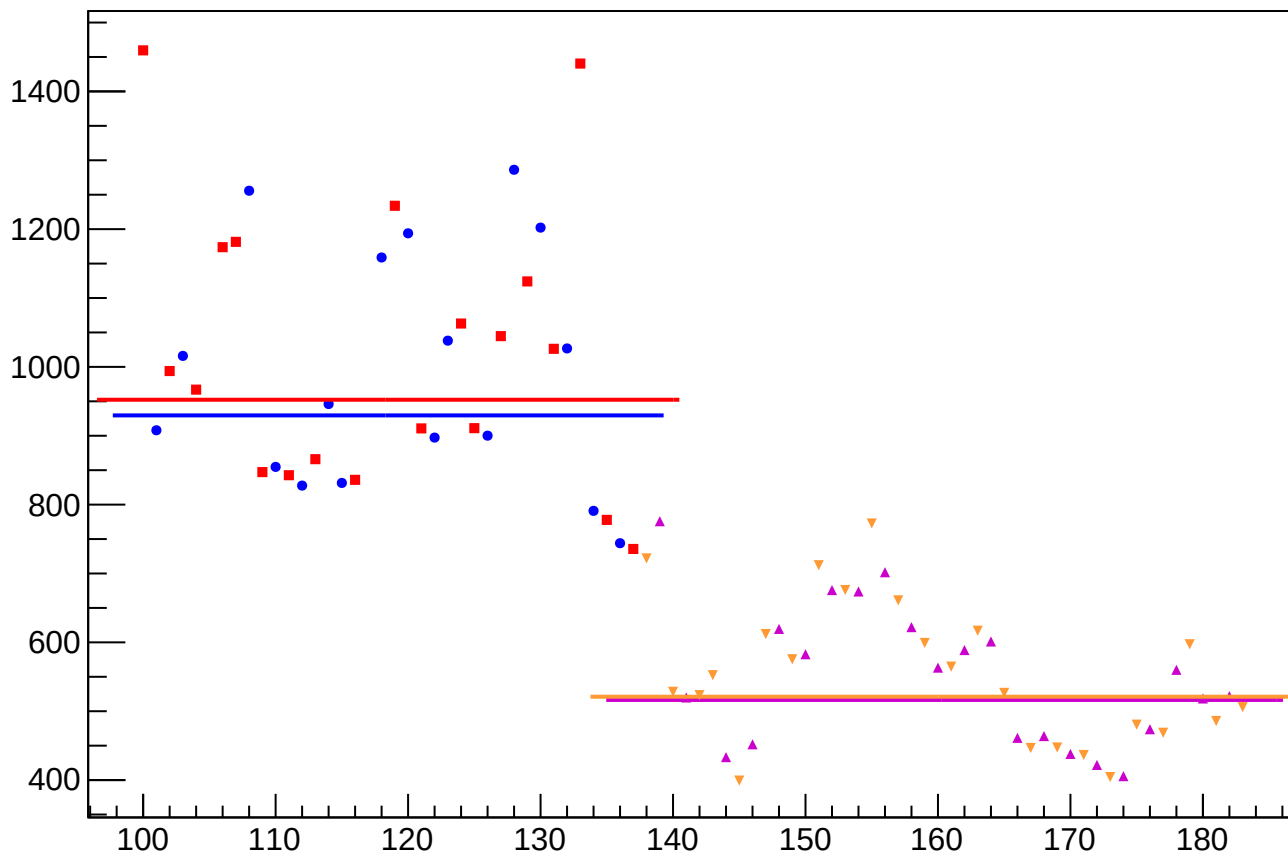
Right: -82.507+/-259.030 χ^2/NDF : 35.3/35

In: -18.432+/-119.884 χ^2/NDF : 48.8/38

Out: 559.370+/-117.731 χ^2/NDF : 79.1/42

All: 275.702+/-83.999 χ^2/NDF : 139.7/81

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.549 $\pm$ 0.261 χ^2 /NDF: 394903.7/16

Left Out: 521.096 $\pm$ 0.088 χ^2 /NDF:1150796.2/23

Right Out: 952.283 $\pm$ 0.257 χ^2 /NDF: 383199.7/18

Left In: 516.379 $\pm$ 0.090 χ^2 /NDF:1019984.0/21

Left: 518.782 $\pm$ 0.063 χ^2 /NDF: 2172190.7/45

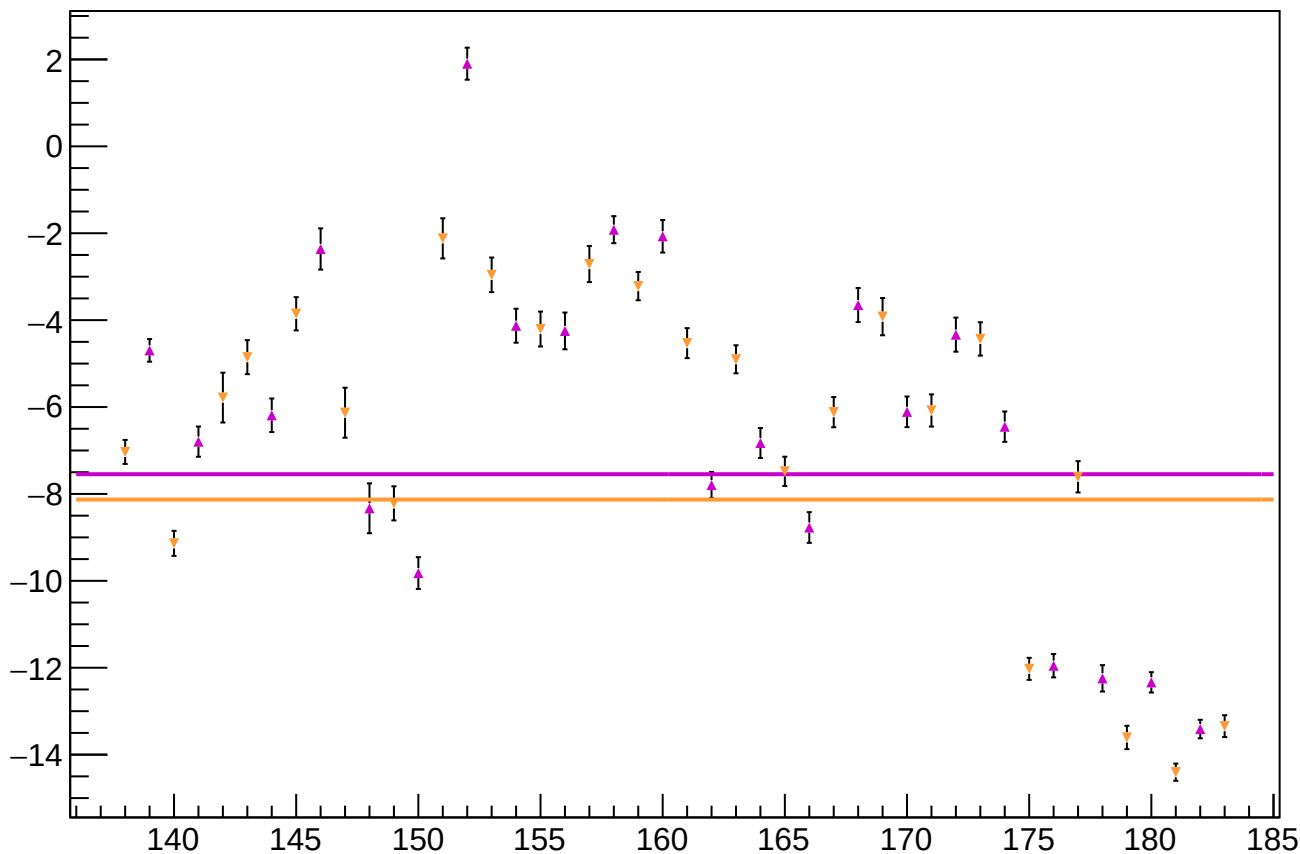
Right: 941.053 $\pm$ 0.183 χ^2 /NDF: 781954.5/35

In: 560.096 $\pm$ 0.085 χ^2 /NDF:3662522.5/38

Out: 566.169 $\pm$ 0.083 χ^2 /NDF:4045179.7/42

All: 563.188 $\pm$ 0.059 χ^2 /NDF: 7710314.5/81

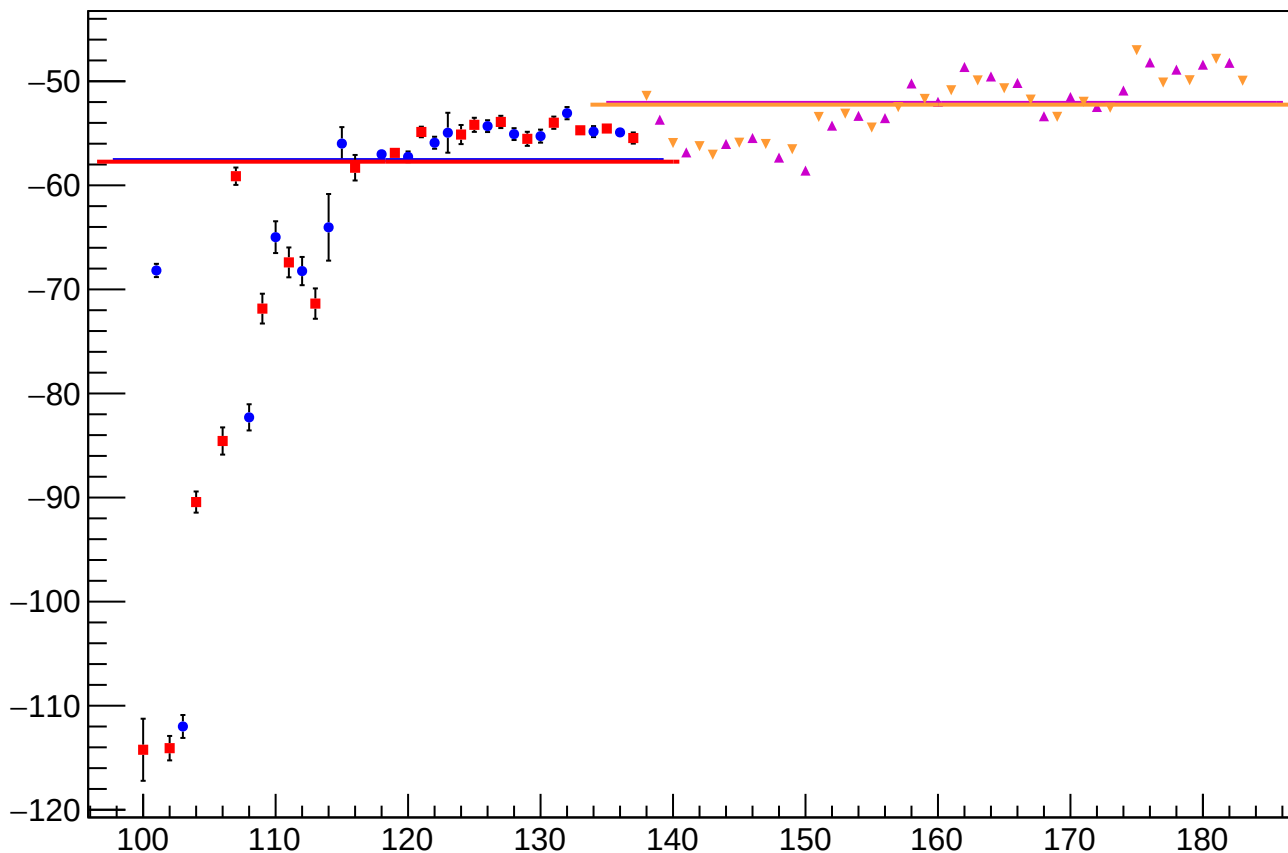
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.129 $\pm$ 0.068 χ^2 /NDF:3635.4/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.546 $\pm$ 0.070 χ^2 /NDF:3527.7/21

Left: -7.847 $\pm$ 0.049 χ^2 /NDF: 7198.8/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.546 $\pm$ 0.070 χ^2 /NDF:3527.7/21
 Out: -8.129 $\pm$ 0.068 χ^2 /NDF:3635.4/23
 All: -7.847 $\pm$ 0.049 χ^2 /NDF: 7198.8/45

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.574 ± 0.143 χ^2/NDF : 3458.2/16

Left Out: -52.249 ± 0.055 χ^2/NDF : 2603.6/23

Right Out: -57.728 ± 0.143 χ^2/NDF : 4700.5/18

Left In: -52.080 ± 0.058 χ^2/NDF : 3160.2/21

Left: -52.168 ± 0.040 χ^2/NDF : 5768.3/45

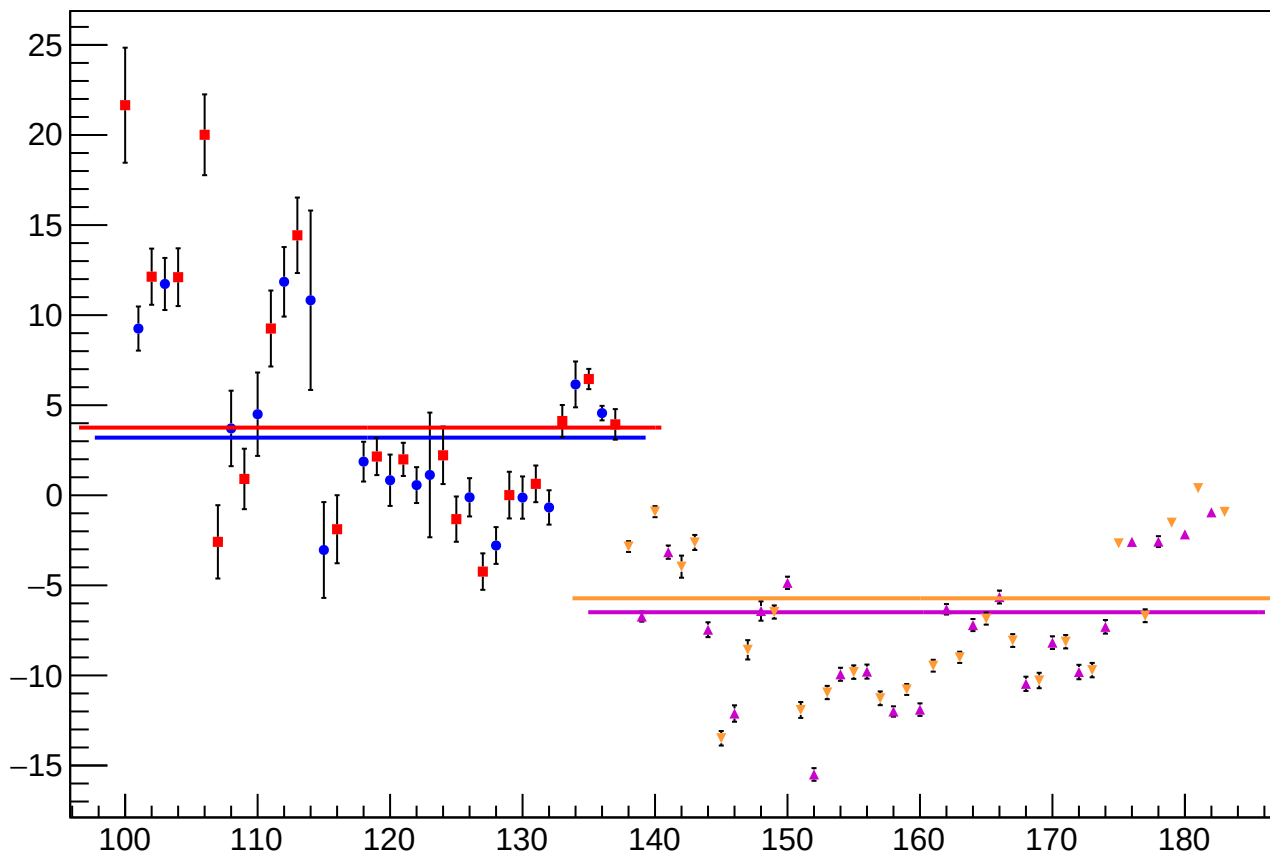
Right: -57.651 ± 0.101 χ^2/NDF : 8159.3/35

In: -52.852 ± 0.054 χ^2/NDF : 7883.6/38

Out: -52.964 ± 0.052 χ^2/NDF : 8577.7/42

All: -52.910 ± 0.037 χ^2/NDF : 16463.5/81

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.200 ± 0.259 $\chi^2/\text{NDF}: 184.7/16$

Left Out: -5.719 ± 0.068 $\chi^2/\text{NDF}: 3982.9/23$

Right Out: 3.758 ± 0.268 $\chi^2/\text{NDF}: 320.9/18$

Left In: -6.492 ± 0.070 $\chi^2/\text{NDF}: 3250.5/21$

Left: -6.096 ± 0.049 $\chi^2/\text{NDF}: 7296.2/45$

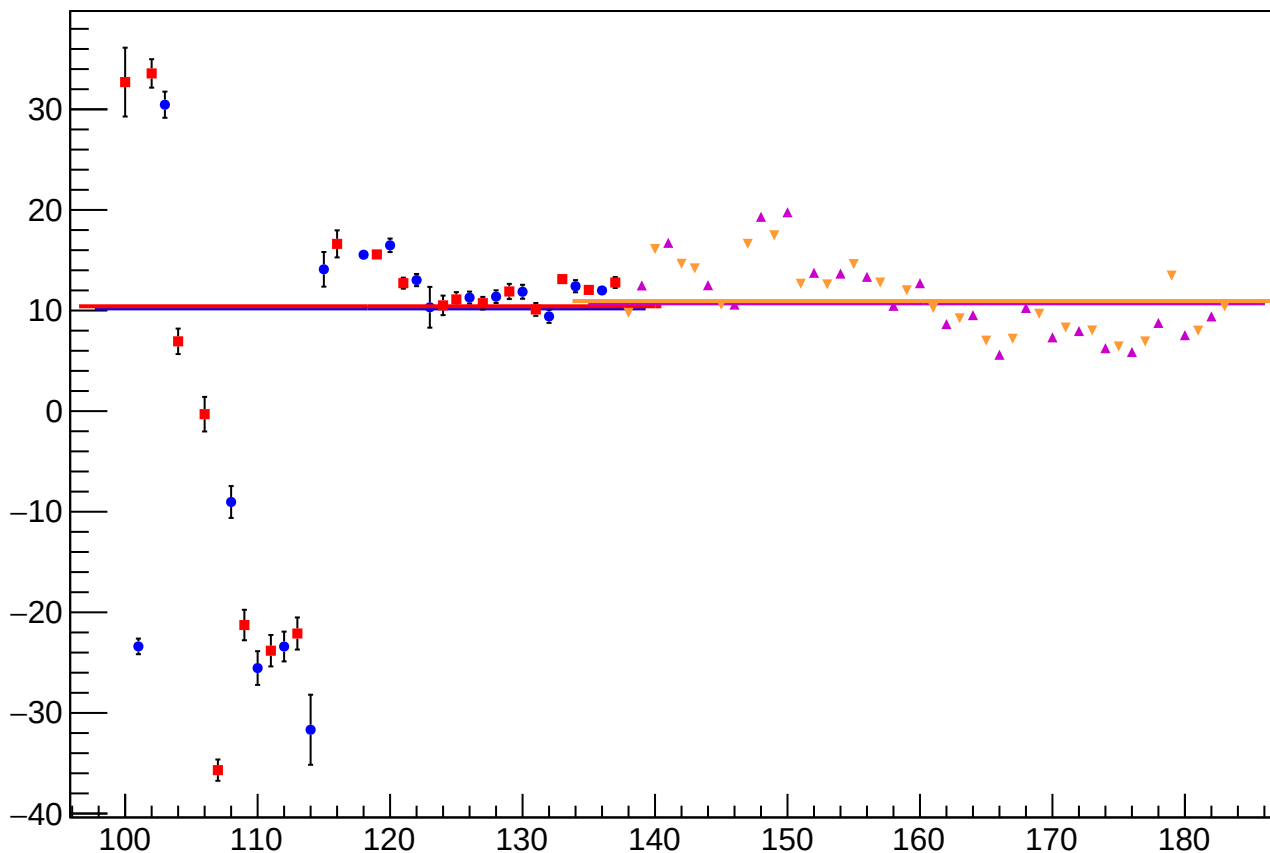
Right: 3.470 ± 0.186 $\chi^2/\text{NDF}: 507.9/35$

In: -5.837 ± 0.067 $\chi^2/\text{NDF}: 4738.1/38$

Out: -5.145 ± 0.066 $\chi^2/\text{NDF}: 5478.3/42$

All: -5.483 ± 0.047 $\chi^2/\text{NDF}: 10270.2/81$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.213+/-0.158 χ^2/NDF : 3680.0/16

Left Out: 10.944+/-0.062 χ^2/NDF : 2628.5/23

Right Out: 10.422+/-0.160 χ^2/NDF : 3826.2/18

Left In: 10.716+/-0.064 χ^2/NDF : 3461.9/21

Left: 10.834+/-0.044 χ^2/NDF : 6097.1/45

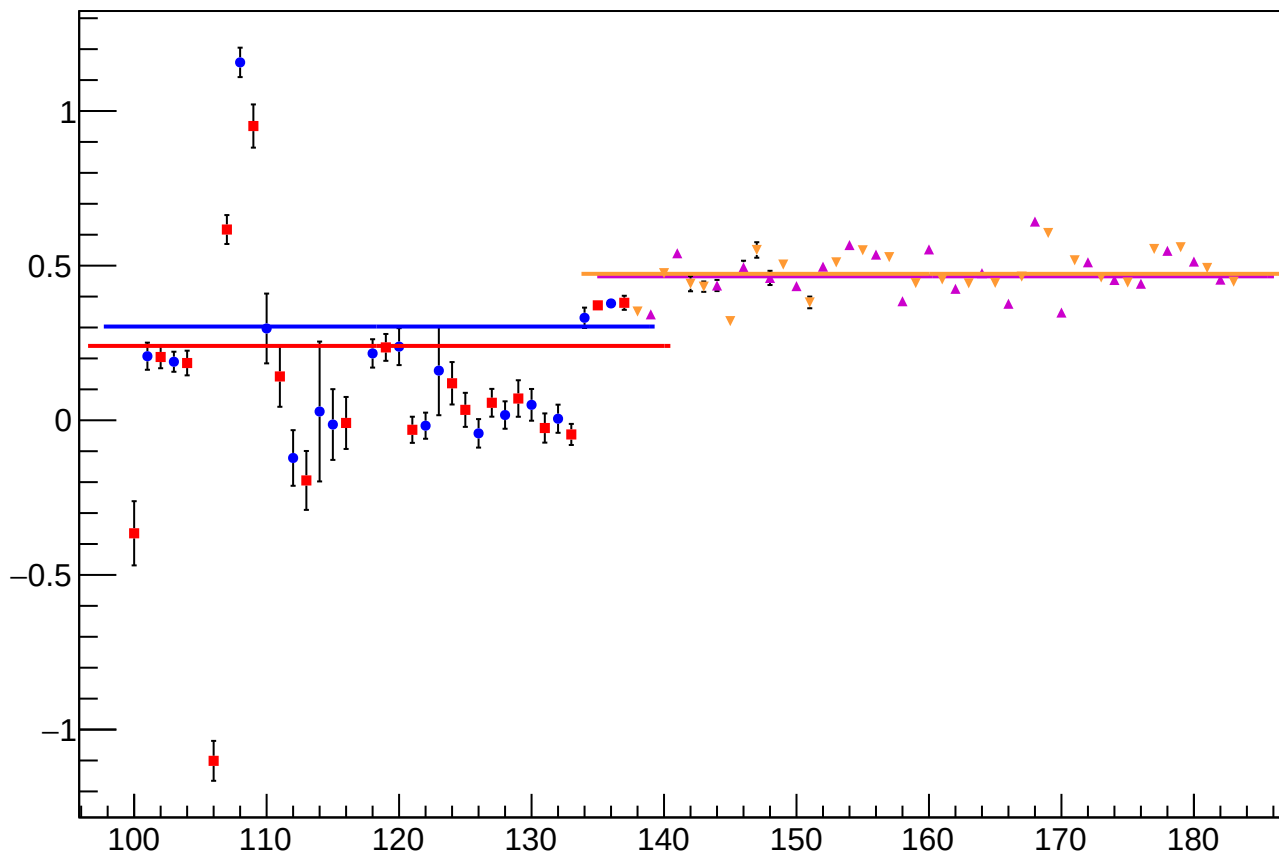
Right: 10.316+/-0.113 χ^2/NDF : 7507.1/35

In: 10.645+/-0.059 χ^2/NDF : 7150.6/38

Out: 10.877+/-0.058 χ^2/NDF : 6464.0/42

All: 10.764+/-0.041 χ^2/NDF : 13622.5/81

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 $\pm$ 0.008 χ^2/NDF : 647.2/16

Left Out: 0.474 $\pm$ 0.003 χ^2/NDF :507.8/23

Right Out: 0.240 $\pm$ 0.009 χ^2/NDF : 983.3/18

Left In: 0.465 $\pm$ 0.003 χ^2/NDF :726.9/21

Left: 0.470 $\pm$ 0.002 χ^2/NDF : 1238.9/45

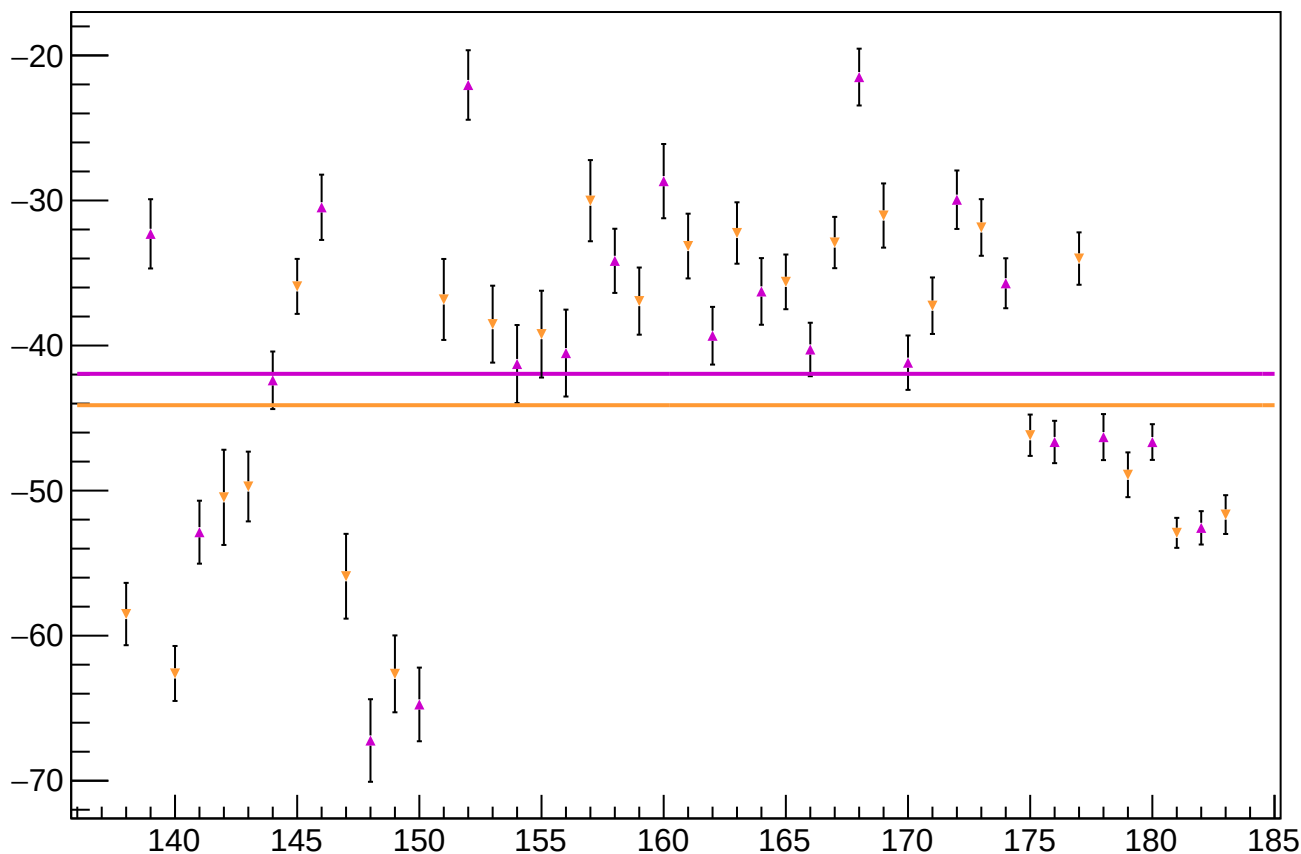
Right: 0.273 $\pm$ 0.006 χ^2/NDF : 1658.4/35

In: 0.448 $\pm$ 0.003 χ^2/NDF :1723.0/38

Out: 0.451 $\pm$ 0.003 χ^2/NDF :2165.2/42

All: 0.450 $\pm$ 0.002 χ^2/NDF : 3888.7/81

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -44.113+/-0.393 χ^2/NDF :632.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -41.950+/-0.407 χ^2/NDF :620.1/21

Left: -43.067+/-0.283 χ^2/NDF : 1266.9/45

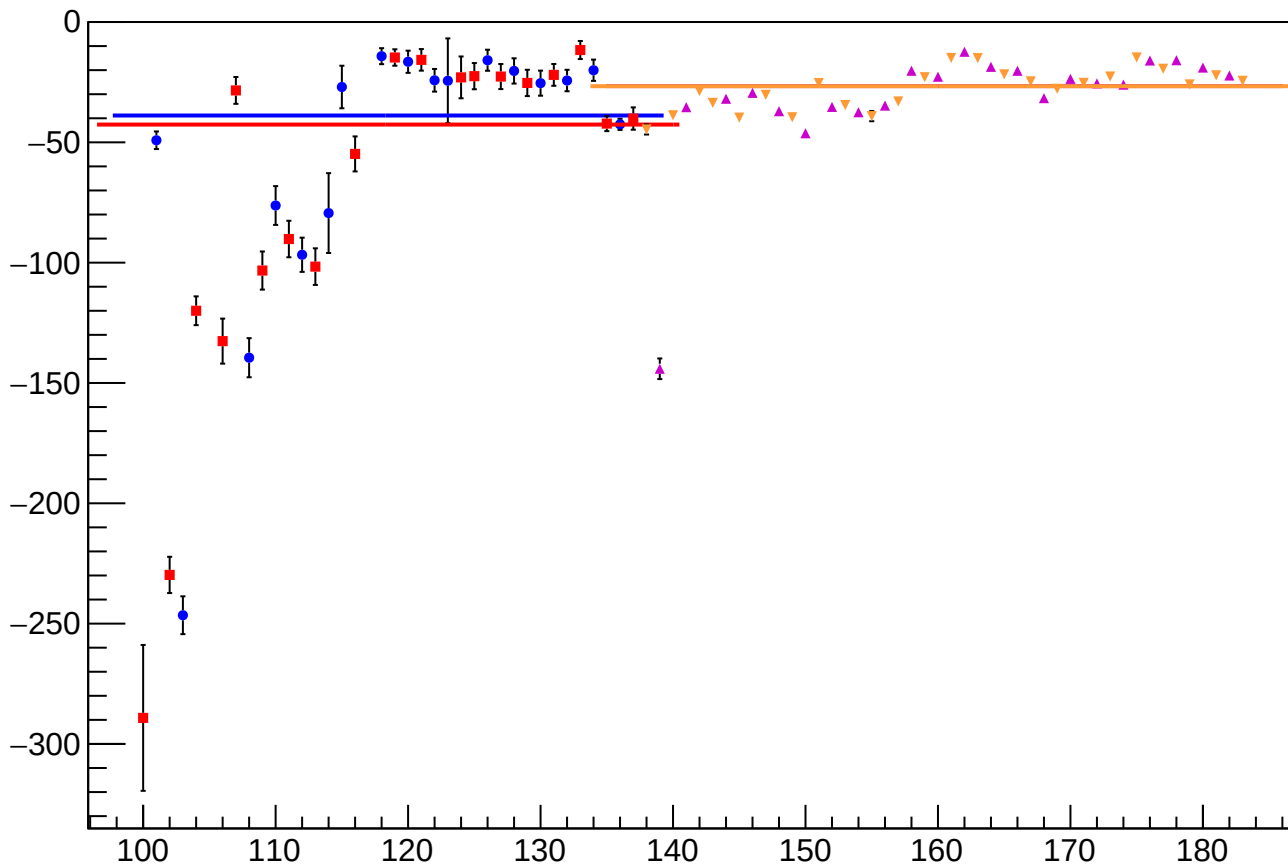
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.950+/-0.407 χ^2/NDF :620.1/21

Out: -44.113+/-0.393 χ^2/NDF :632.2/23

All: -43.067+/-0.283 χ^2/NDF : 1266.9/45

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.852 ± 1.150 $\chi^2/\text{NDF}: 1121.7/16$

Left Out: -26.679 ± 0.319 $\chi^2/\text{NDF}: 606.5/23$

Right Out: -42.616 ± 1.212 $\chi^2/\text{NDF}: 1345.6/18$

Left In: -26.624 ± 0.331 $\chi^2/\text{NDF}: 1386.5/21$

Left: -26.653 ± 0.230 $\chi^2/\text{NDF}: 1993.0/45$

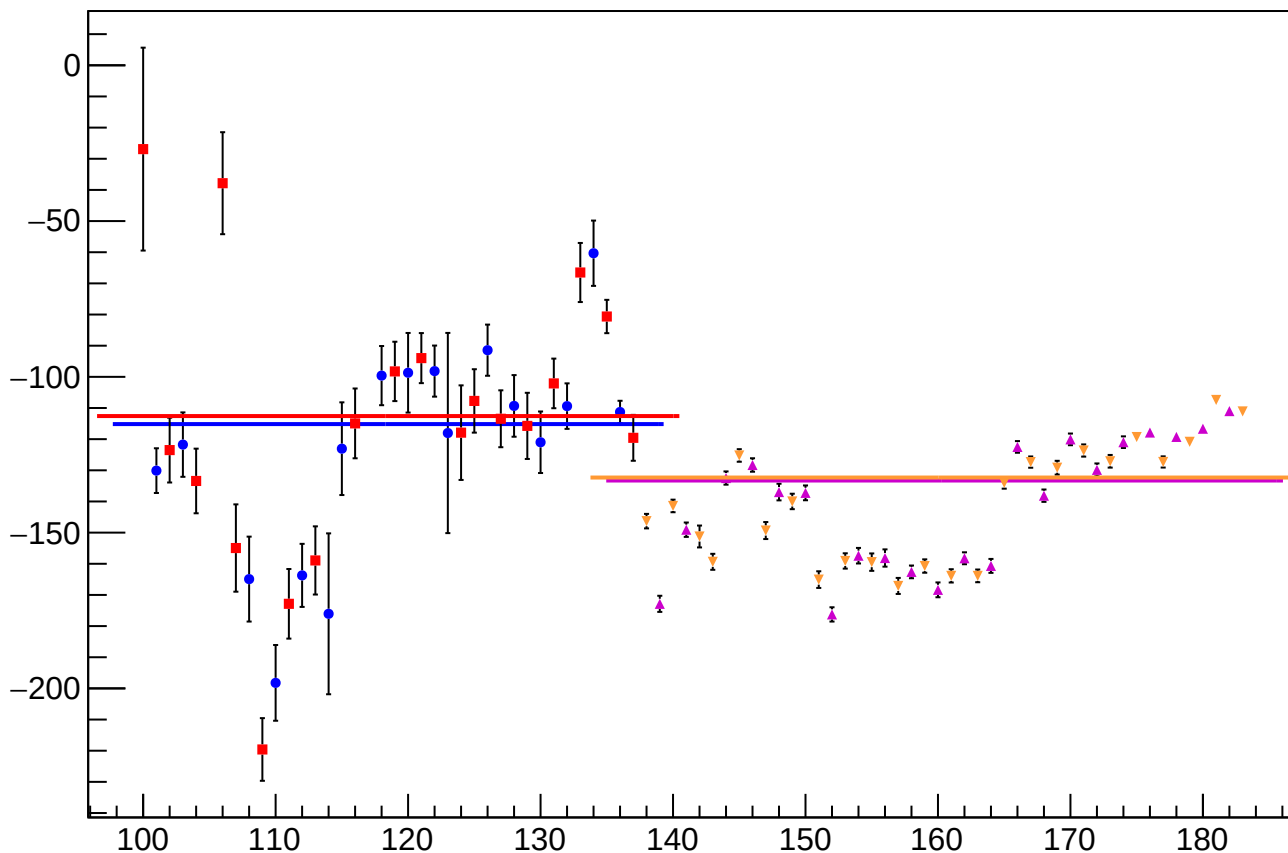
Right: -40.635 ± 0.834 $\chi^2/\text{NDF}: 2472.4/35$

In: -27.558 ± 0.318 $\chi^2/\text{NDF}: 2612.7/38$

Out: -27.715 ± 0.309 $\chi^2/\text{NDF}: 2113.8/42$

All: -27.638 ± 0.221 $\chi^2/\text{NDF}: 4726.7/81$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.163 $\pm$ 2.084 χ^2 /NDF: 140.5/16

Left Out: -132.318 $\pm$ 0.396 χ^2 /NDF:2391.4/23

Right Out: -112.587 $\pm$ 2.213 χ^2 /NDF: 272.4/18

Left In: -133.274 $\pm$ 0.406 χ^2 /NDF:2419.0/21

Left: -132.784 $\pm$ 0.284 χ^2 /NDF: 4813.3/45

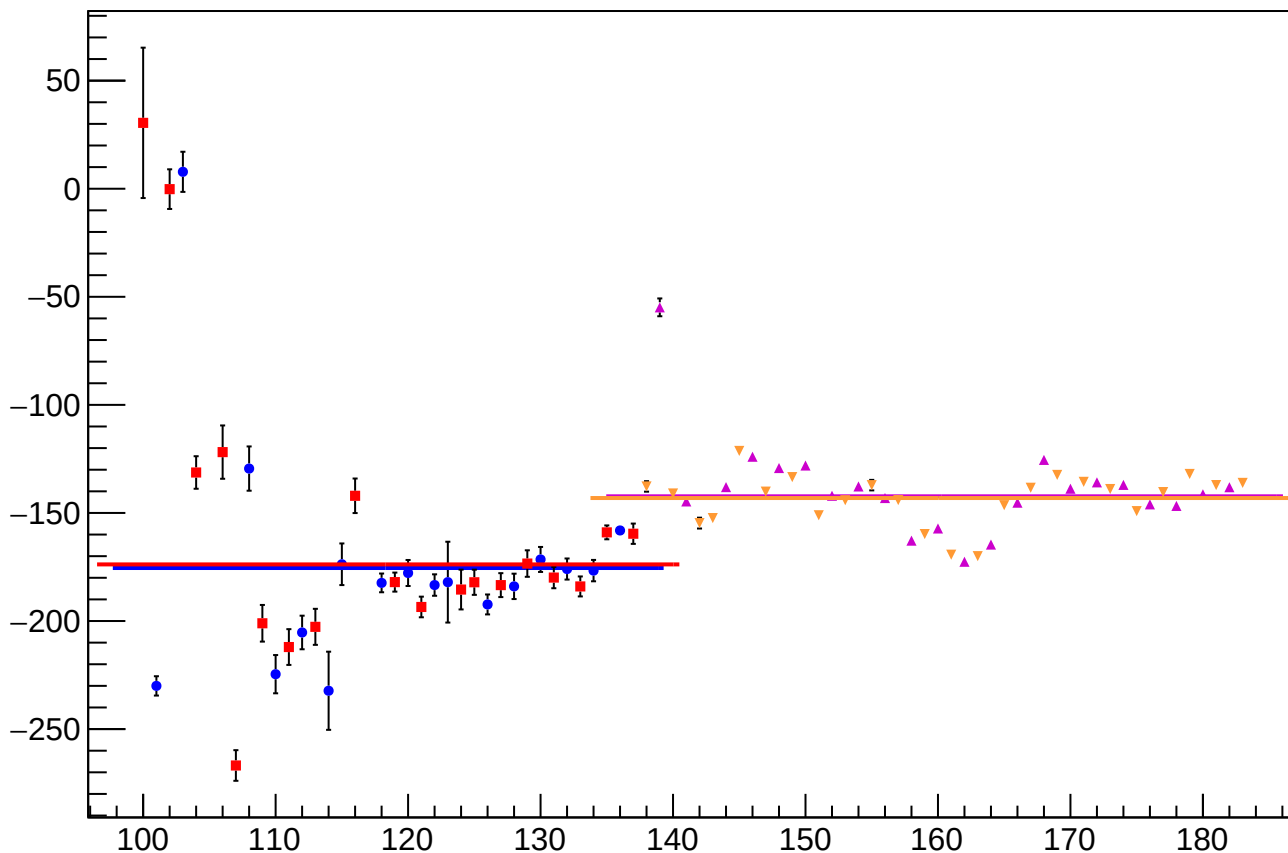
Right: -113.952 $\pm$ 1.517 χ^2 /NDF: 413.6/35

In: -132.611 $\pm$ 0.399 χ^2 /NDF:2632.3/38

Out: -131.706 $\pm$ 0.390 χ^2 /NDF:2740.8/42

All: -132.148 $\pm$ 0.279 χ^2 /NDF: 5375.8/81

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.476 ± 1.279 χ^2/NDF : 691.2/16

Left Out: -143.100 ± 0.358 χ^2/NDF : 1043.5/23

Right Out: -173.809 ± 1.359 χ^2/NDF : 738.0/18

Left In: -142.303 ± 0.369 χ^2/NDF : 1490.7/21

Left: -142.714 ± 0.257 χ^2/NDF : 2536.5/45

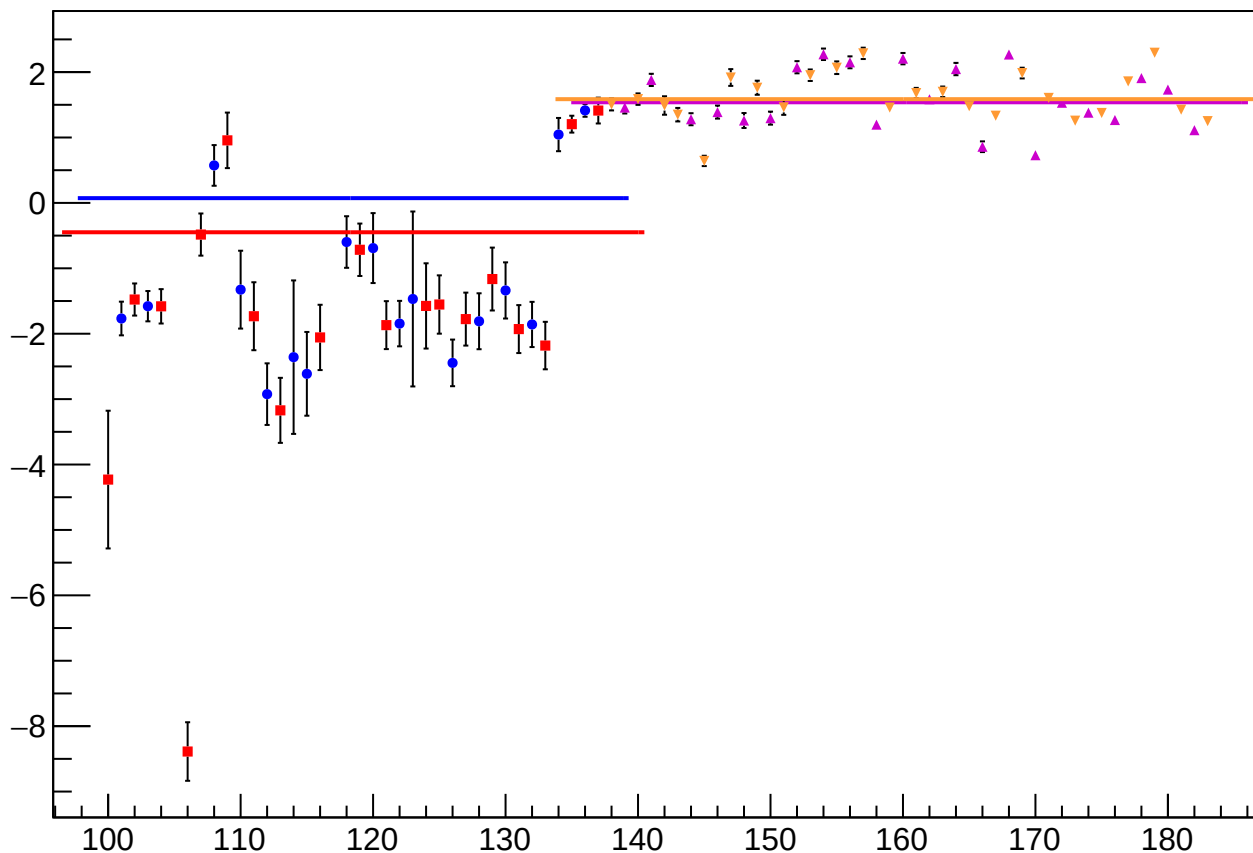
Right: -174.693 ± 0.931 χ^2/NDF : 1430.0/35

In: -144.851 ± 0.354 χ^2/NDF : 2803.1/38

Out: -145.092 ± 0.346 χ^2/NDF : 2259.0/42

All: -144.974 ± 0.248 χ^2/NDF : 5062.4/81

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.073 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.586 ± 0.016 χ^2/NDF : 493.5/23

Right Out: -0.449 ± 0.071 χ^2/NDF : 750.7/18

Left In: 1.538 ± 0.017 χ^2/NDF : 709.9/21

Left: 1.563 ± 0.012 χ^2/NDF : 1207.4/45

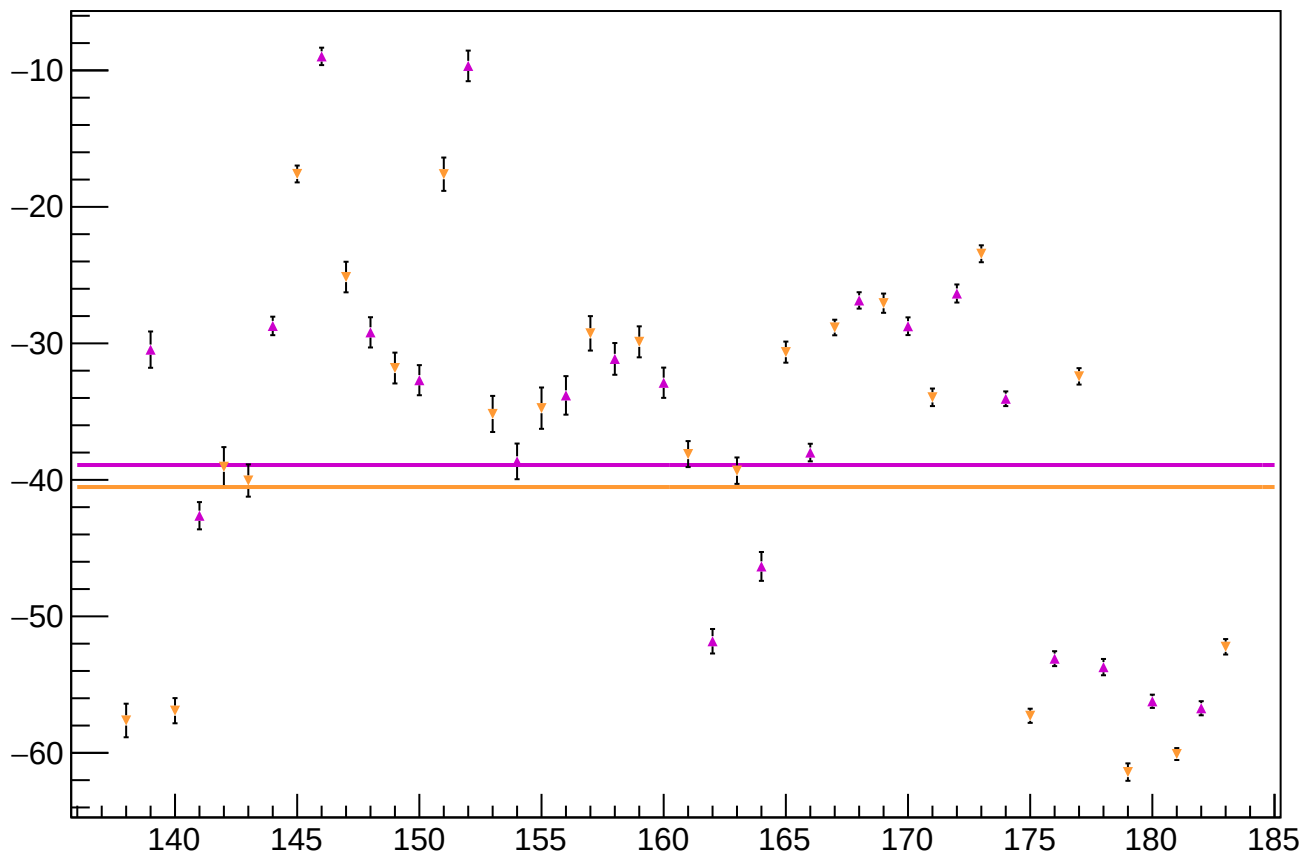
Right: -0.172 ± 0.049 χ^2/NDF : 1304.2/35

In: 1.453 ± 0.016 χ^2/NDF : 1683.0/38

Out: 1.484 ± 0.016 χ^2/NDF : 2015.6/42

All: 1.468 ± 0.011 χ^2/NDF : 3700.6/81

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -40.524+/-0.155 χ^2/NDF :9232.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -38.911+/-0.157 χ^2/NDF :8446.8/21

Left: -39.725+/-0.110 χ^2/NDF : 17732.5/45

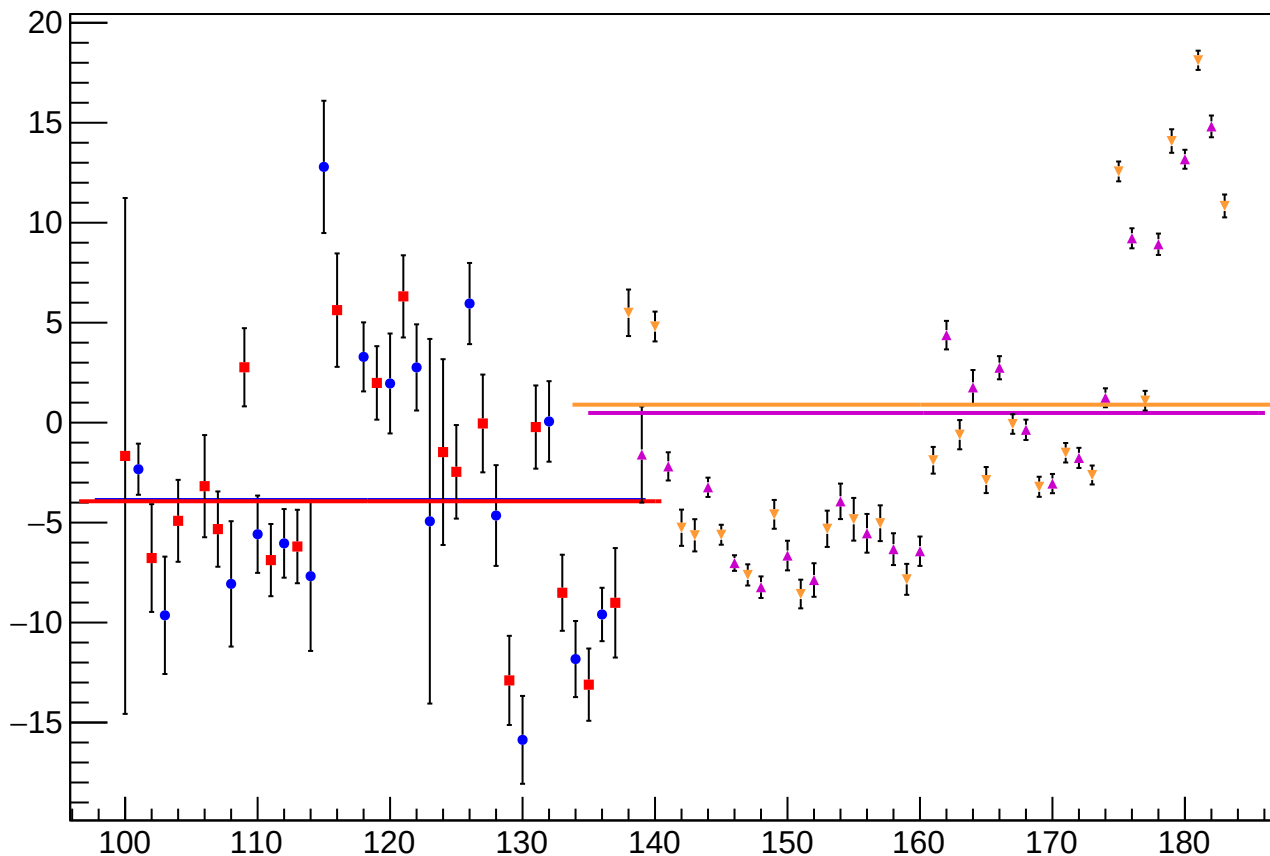
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.911+/-0.157 χ^2/NDF :8446.8/21

Out: -40.524+/-0.155 χ^2/NDF :9232.2/23

All: -39.725+/-0.110 χ^2/NDF : 17732.5/45

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.872 ± 0.499 χ^2/NDF : 161.0/16

Left Out: 0.898 ± 0.126 χ^2/NDF : 3904.3/23

Right Out: -3.933 ± 0.508 χ^2/NDF : 122.0/18

Left In: 0.484 ± 0.125 χ^2/NDF : 3212.8/21

Left: 0.690 ± 0.089 χ^2/NDF : 7122.5/45

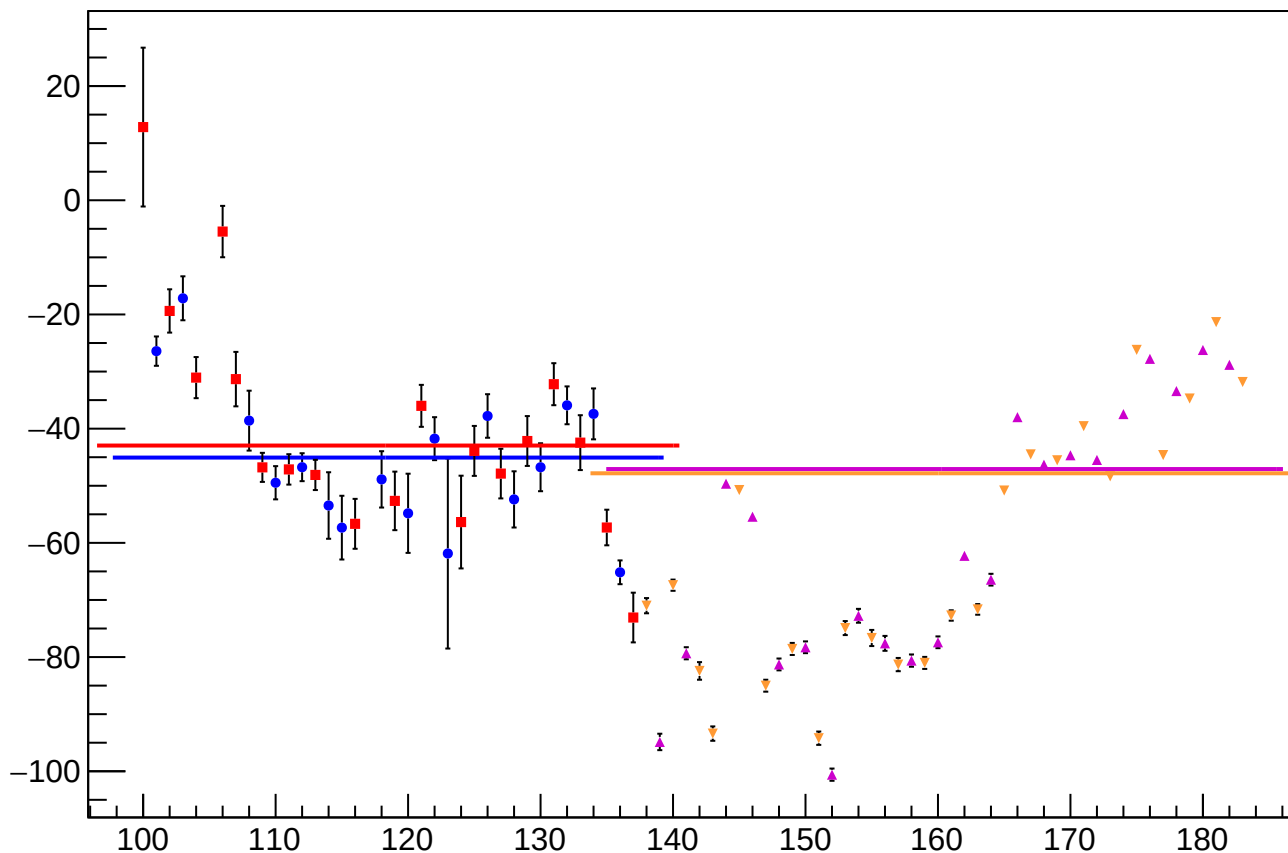
Right: -3.902 ± 0.356 χ^2/NDF : 283.0/35

In: 0.226 ± 0.122 χ^2/NDF : 3445.4/38

Out: 0.619 ± 0.122 χ^2/NDF : 4111.7/42

All: 0.422 ± 0.086 χ^2/NDF : 7562.2/81

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.063 ± 0.885 χ^2/NDF : 230.3/16

Left Out: -47.816 ± 0.157 χ^2/NDF : 16885.4/23

Right Out: -42.956 ± 0.879 χ^2/NDF : 248.1/18

Left In: -47.072 ± 0.157 χ^2/NDF : 15514.9/21

Left: -47.445 ± 0.111 χ^2/NDF : 32411.5/45

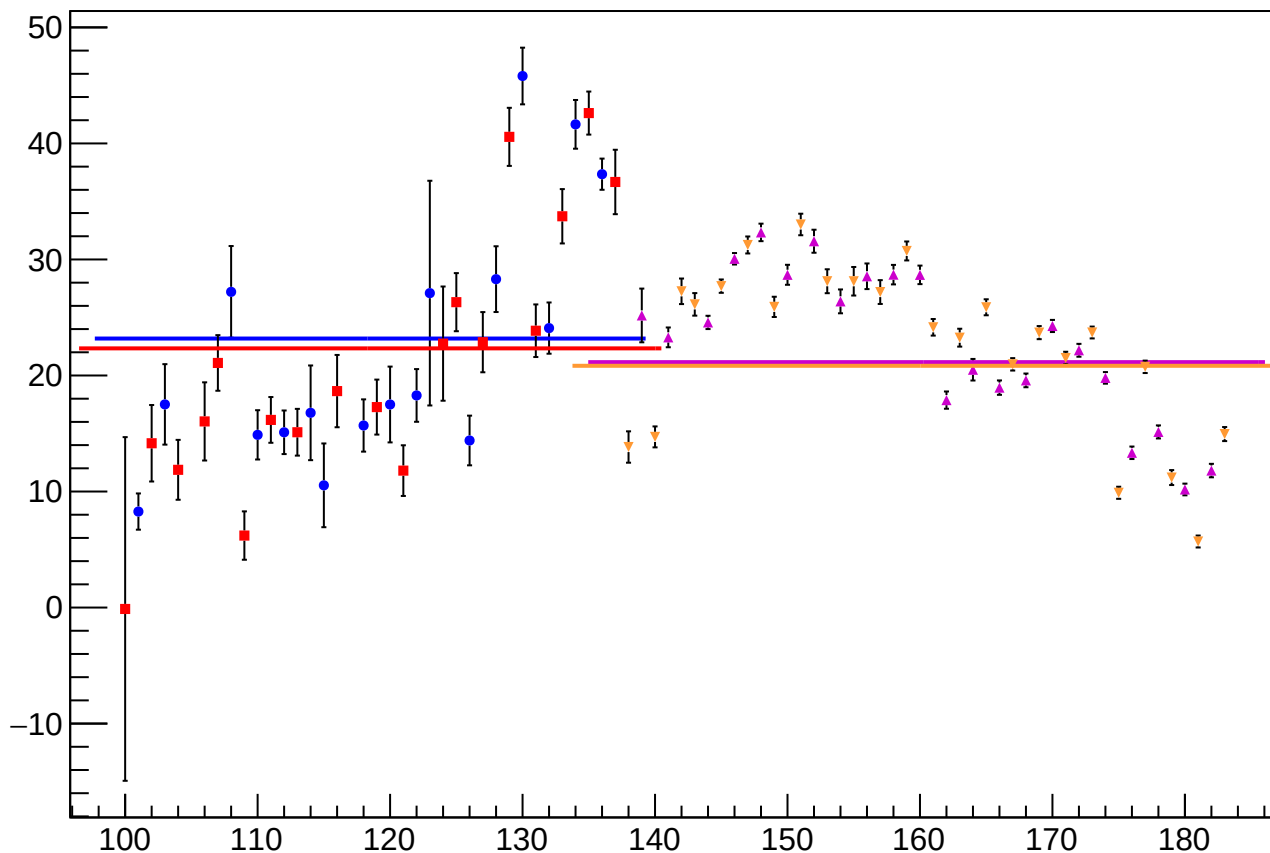
Right: -44.003 ± 0.624 χ^2/NDF : 481.3/35

In: -47.011 ± 0.155 χ^2/NDF : 15750.3/38

Out: -47.666 ± 0.154 χ^2/NDF : 17163.1/42

All: -47.340 ± 0.109 χ^2/NDF : 32922.4/81

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.185 $\pm$ 0.560 χ^2 /NDF: 456.9/16

Left Out: 20.836 $\pm$ 0.140 χ^2 /NDF: 2723.4/23

Right Out: 22.337 $\pm$ 0.574 χ^2 /NDF: 366.3/18

Left In: 21.151 $\pm$ 0.141 χ^2 /NDF: 2158.0/21

Left: 20.993 $\pm$ 0.099 χ^2 /NDF: 4884.0/45

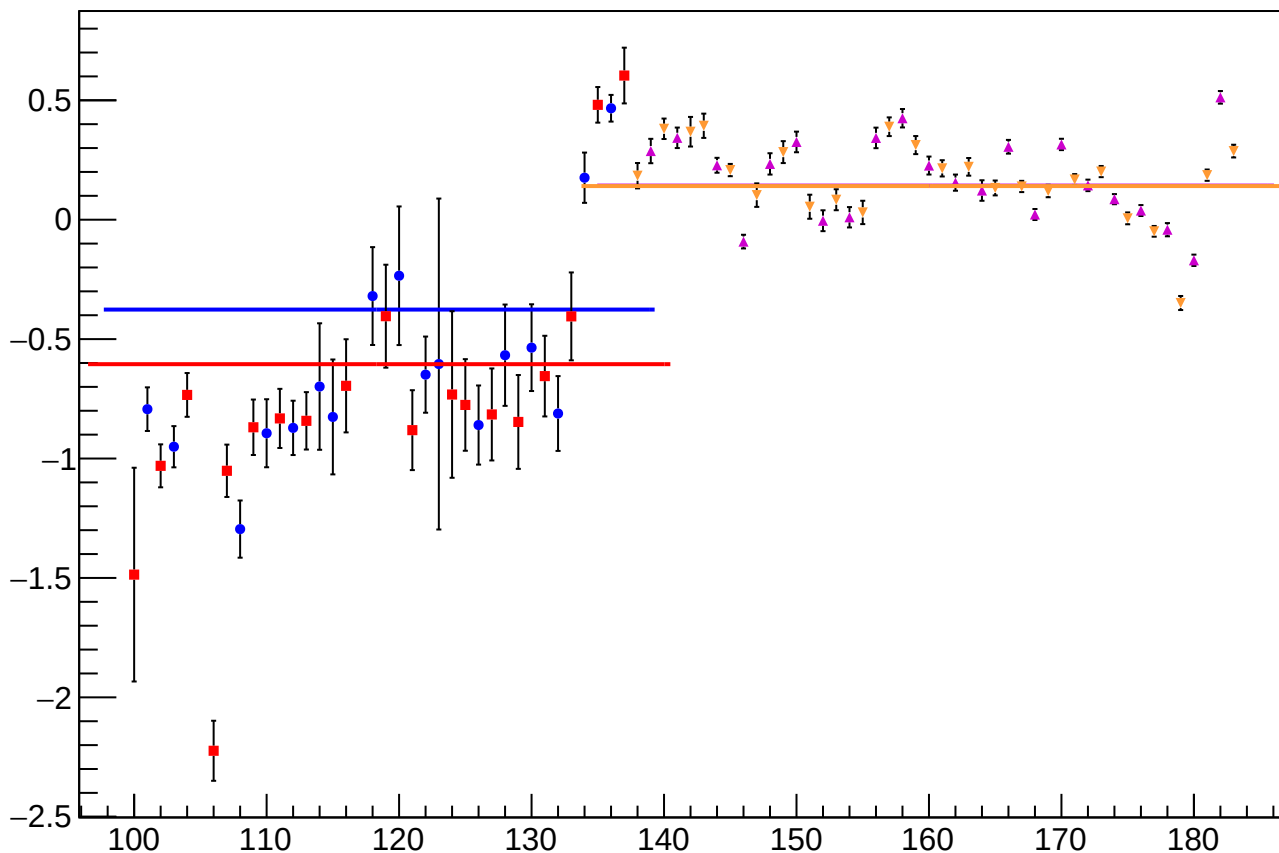
Right: 22.771 $\pm$ 0.401 χ^2 /NDF: 824.4/35

In: 21.272 $\pm$ 0.137 χ^2 /NDF: 2627.4/38

Out: 20.921 $\pm$ 0.136 χ^2 /NDF: 3096.2/42

All: 21.096 $\pm$ 0.097 χ^2 /NDF: 5726.9/81

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.6/16$

Left Out: 0.141 ± 0.006 $\chi^2/\text{NDF}: 587.8/23$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/18$

Left In: 0.143 ± 0.006 $\chi^2/\text{NDF}: 781.3/21$

Left: 0.142 ± 0.005 $\chi^2/\text{NDF}: 1369.2/45$

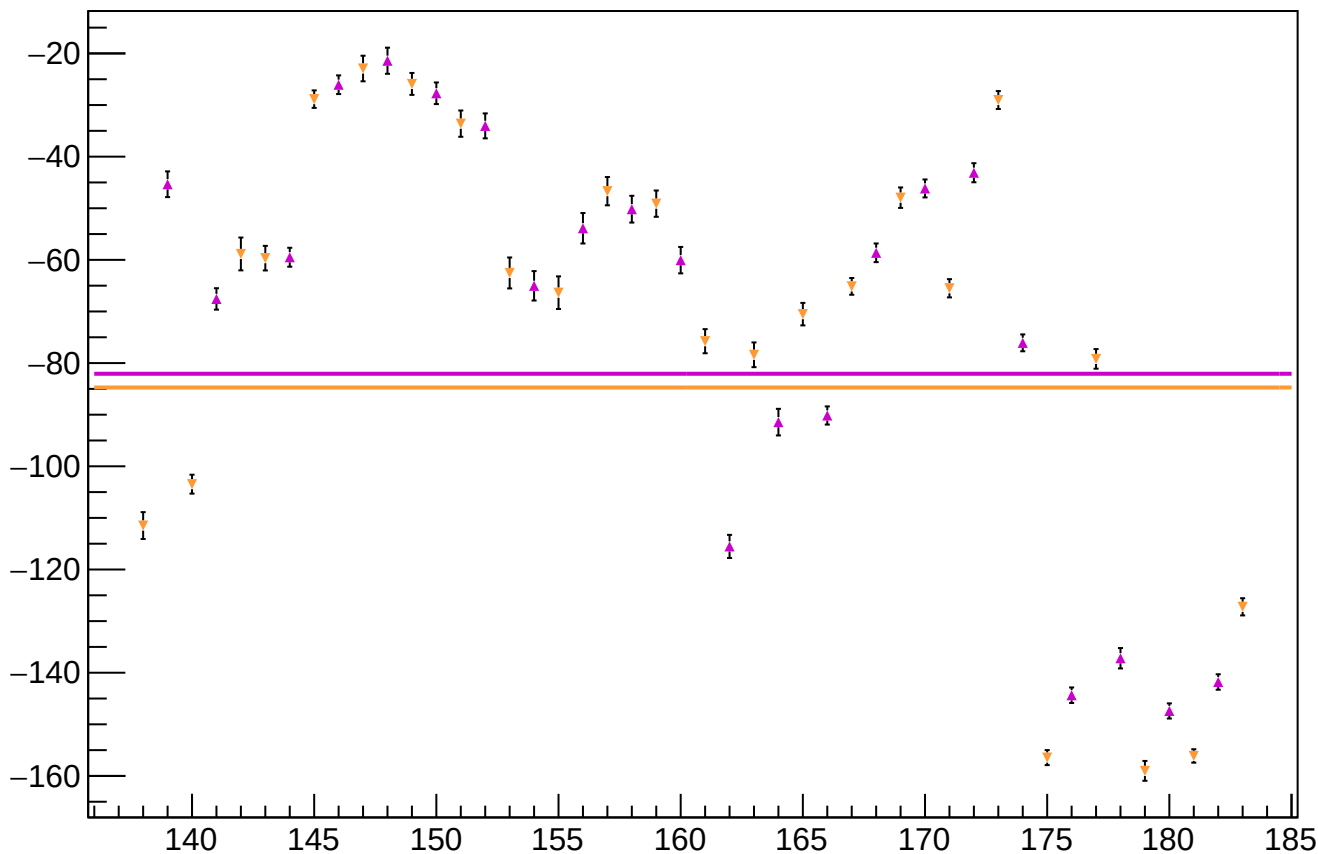
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.5/35$

In: 0.120 ± 0.006 $\chi^2/\text{NDF}: 1502.3/38$

Out: 0.109 ± 0.006 $\chi^2/\text{NDF}: 1720.5/42$

All: 0.114 ± 0.004 $\chi^2/\text{NDF}: 3224.4/81$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -84.729+/-0.411 χ^2/NDF :13036.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -82.069+/-0.420 χ^2/NDF :10738.5/21

Left: -83.429+/-0.294 χ^2/NDF : 23795.0/45

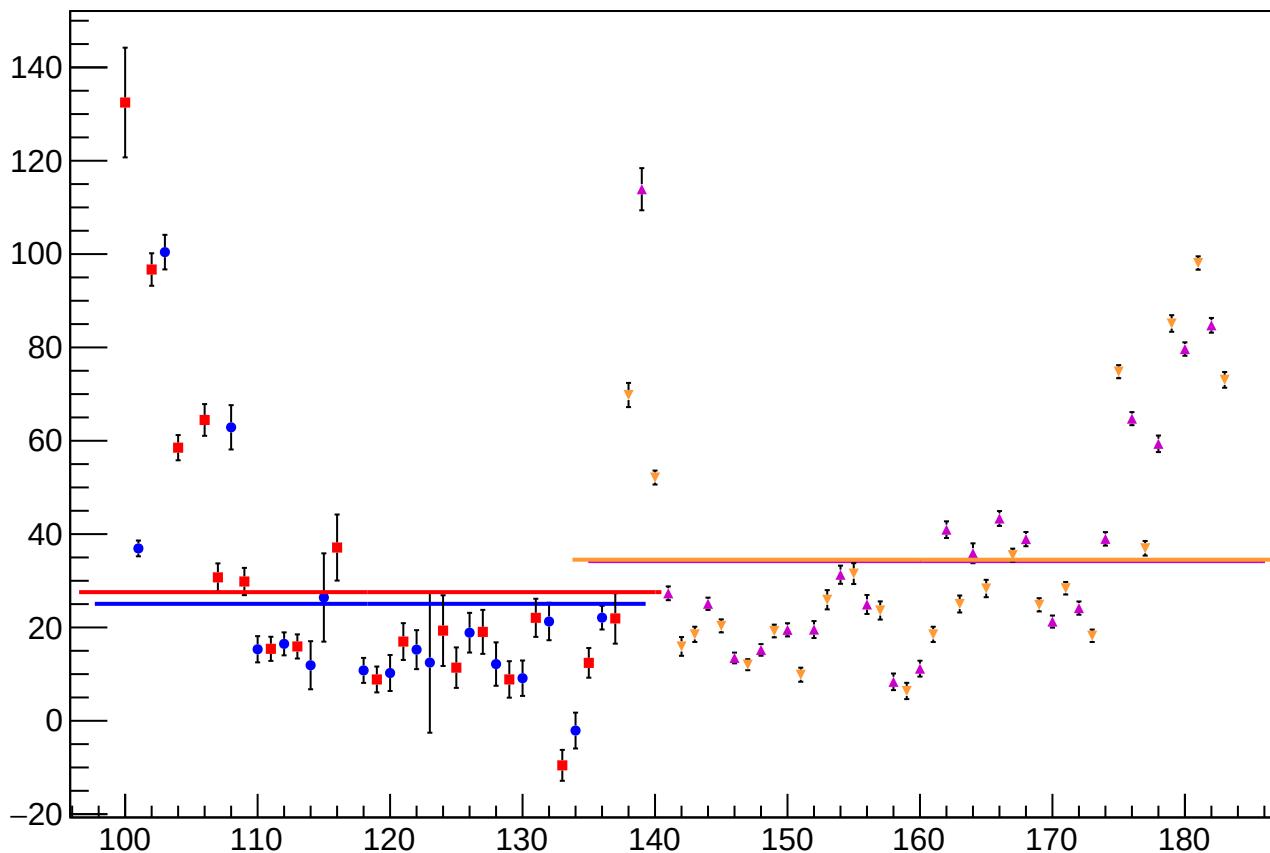
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -82.069+/-0.420 χ^2/NDF :10738.5/21

Out: -84.729+/-0.411 χ^2/NDF :13036.0/23

All: -83.429+/-0.294 χ^2/NDF : 23795.0/45

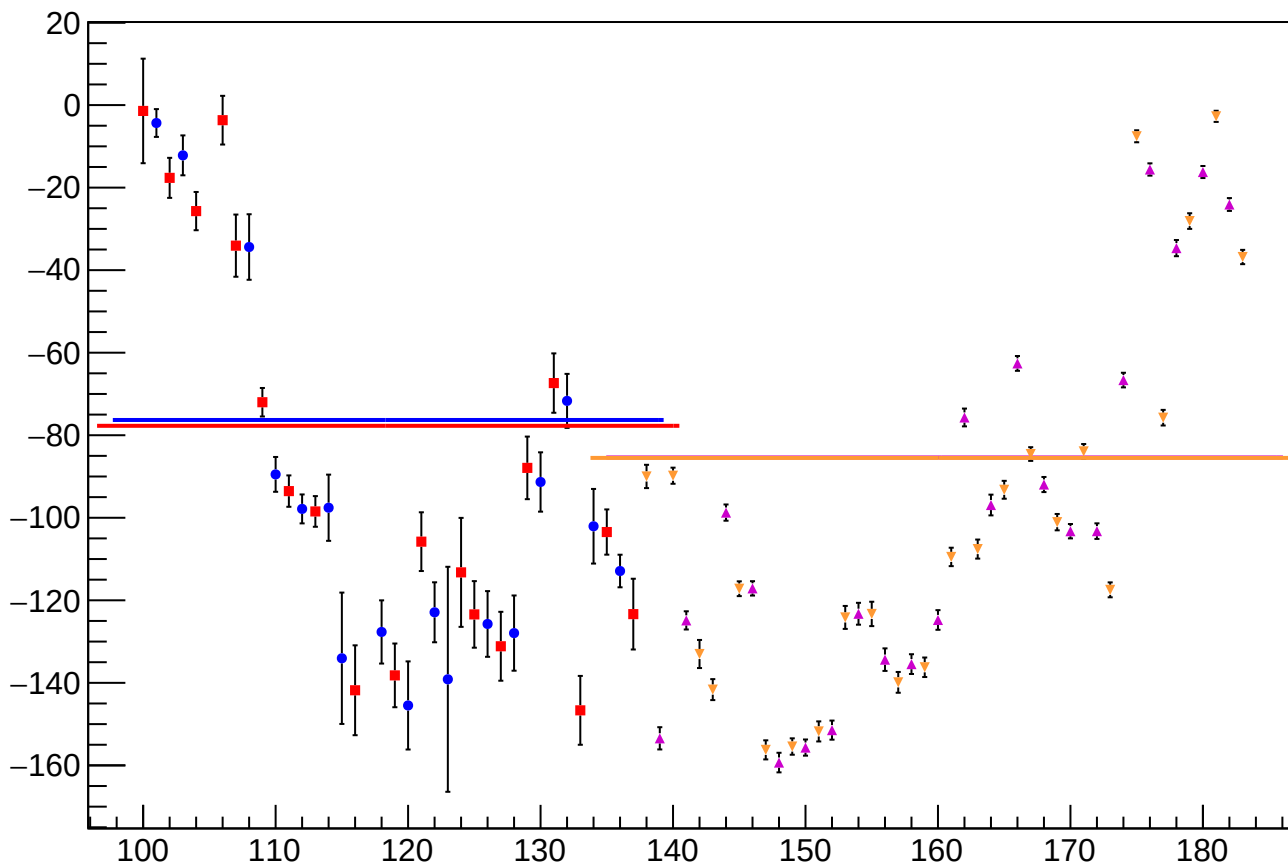
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.063 $\pm$ 0.808 χ^2 /NDF: 686.5/16
 Left Out: 34.517 $\pm$ 0.323 χ^2 /NDF:6140.5/23
 Right Out: 27.568 $\pm$ 0.811 χ^2 /NDF: 1013.6/18
 Left In: 34.214 $\pm$ 0.332 χ^2 /NDF:4447.3/21

Left: 34.369 $\pm$ 0.231 χ^2 /NDF: 10588.2/45
 Right: 26.311 $\pm$ 0.572 χ^2 /NDF: 1704.9/35
 In: 32.893 $\pm$ 0.307 χ^2 /NDF:5243.7/38
 Out: 33.566 $\pm$ 0.300 χ^2 /NDF:7217.5/42
 All: 33.237 $\pm$ 0.214 χ^2 /NDF: 12463.6/81

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.304 ± 1.419 $\chi^2/\text{NDF}: 1030.8/16$

Left Out: -85.495 ± 0.412 $\chi^2/\text{NDF}: 14145.2/23$

Right Out: -77.715 ± 1.354 $\chi^2/\text{NDF}: 872.3/18$

Left In: -85.384 ± 0.419 $\chi^2/\text{NDF}: 12824.2/21$

Left: -85.440 ± 0.294 $\chi^2/\text{NDF}: 26969.5/45$

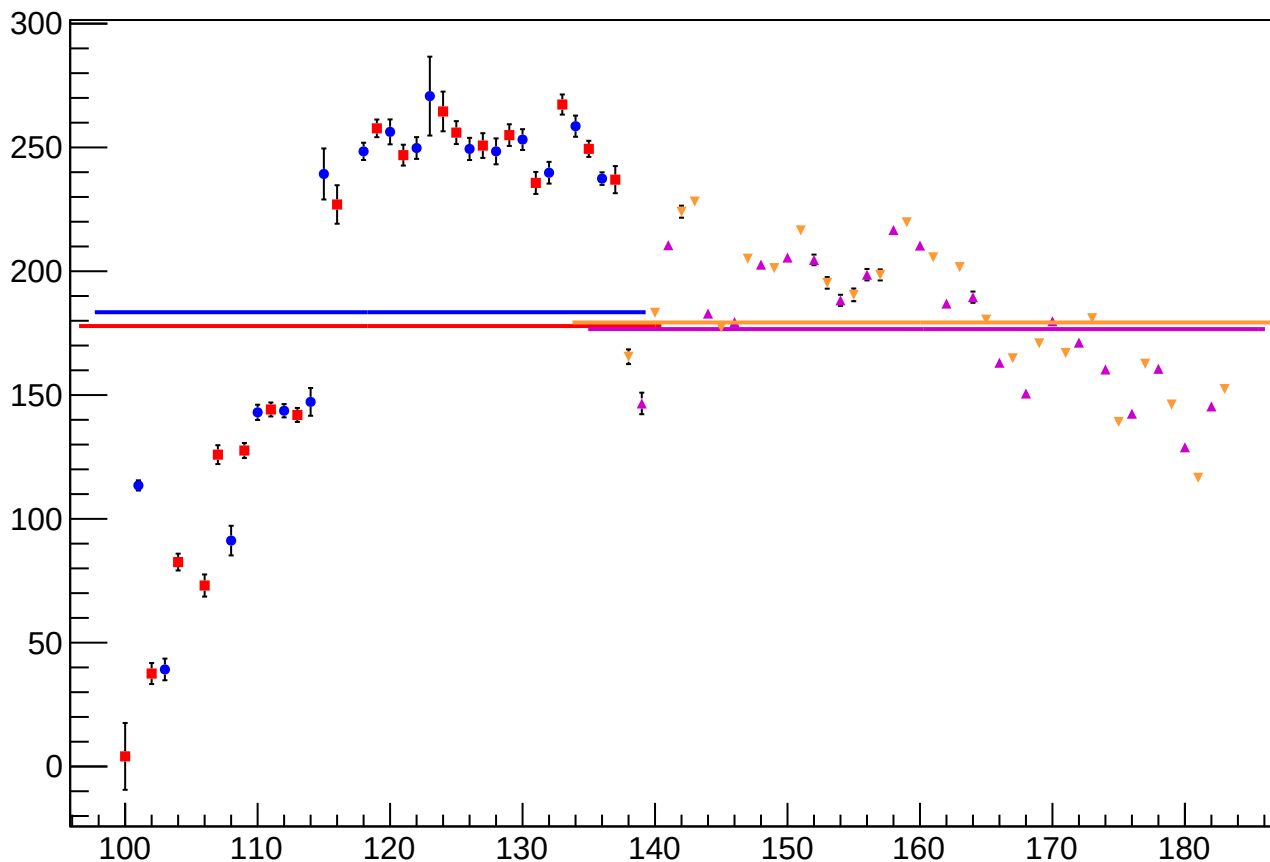
Right: -77.043 ± 0.980 $\chi^2/\text{NDF}: 1903.7/35$

In: -84.655 ± 0.402 $\chi^2/\text{NDF}: 13892.7/38$

Out: -84.834 ± 0.395 $\chi^2/\text{NDF}: 15047.8/42$

All: -84.746 ± 0.282 $\chi^2/\text{NDF}: 28940.6/81$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.448 $\pm$ 0.920 χ^2 /NDF: 5318.3/16

Left Out: 179.310 $\pm$ 0.365 χ^2 /NDF: 5981.2/23

Right Out: 177.868 $\pm$ 0.925 χ^2 /NDF: 6336.5/18

Left In: 176.642 $\pm$ 0.374 χ^2 /NDF: 4420.5/21

Left: 178.008 $\pm$ 0.261 χ^2 /NDF: 10427.8/45

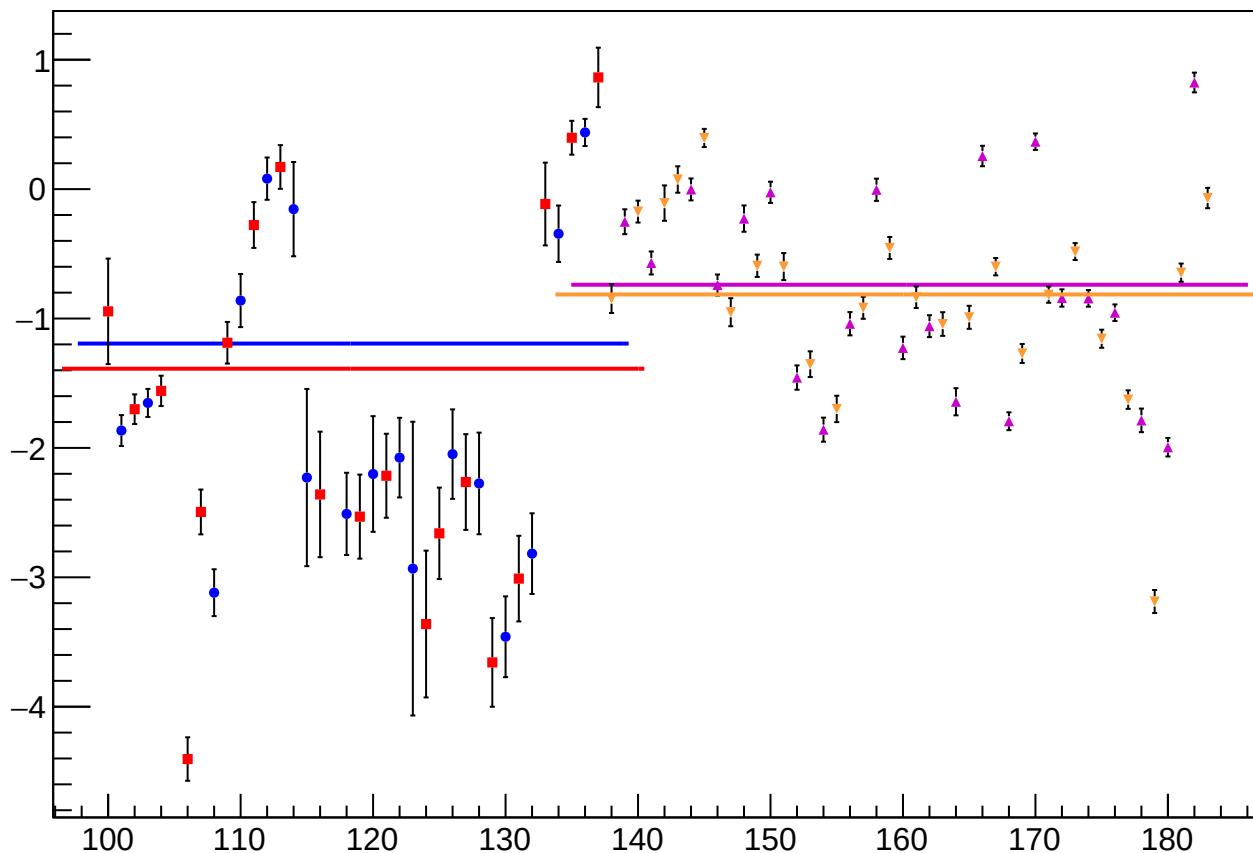
Right: 180.673 $\pm$ 0.652 χ^2 /NDF: 11673.1/35

In: 177.607 $\pm$ 0.346 χ^2 /NDF: 9785.7/38

Out: 179.115 $\pm$ 0.340 χ^2 /NDF: 12319.9/42

All: 178.376 $\pm$ 0.243 χ^2 /NDF: 22115.2/81

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 620.4/16

Left Out: -0.814 ± 0.017 χ^2/NDF : 1639.9/23

Right Out: -1.388 ± 0.046 χ^2/NDF : 919.4/18

Left In: -0.739 ± 0.017 χ^2/NDF : 2182.1/21

Left: -0.777 ± 0.012 χ^2/NDF : 3831.8/45

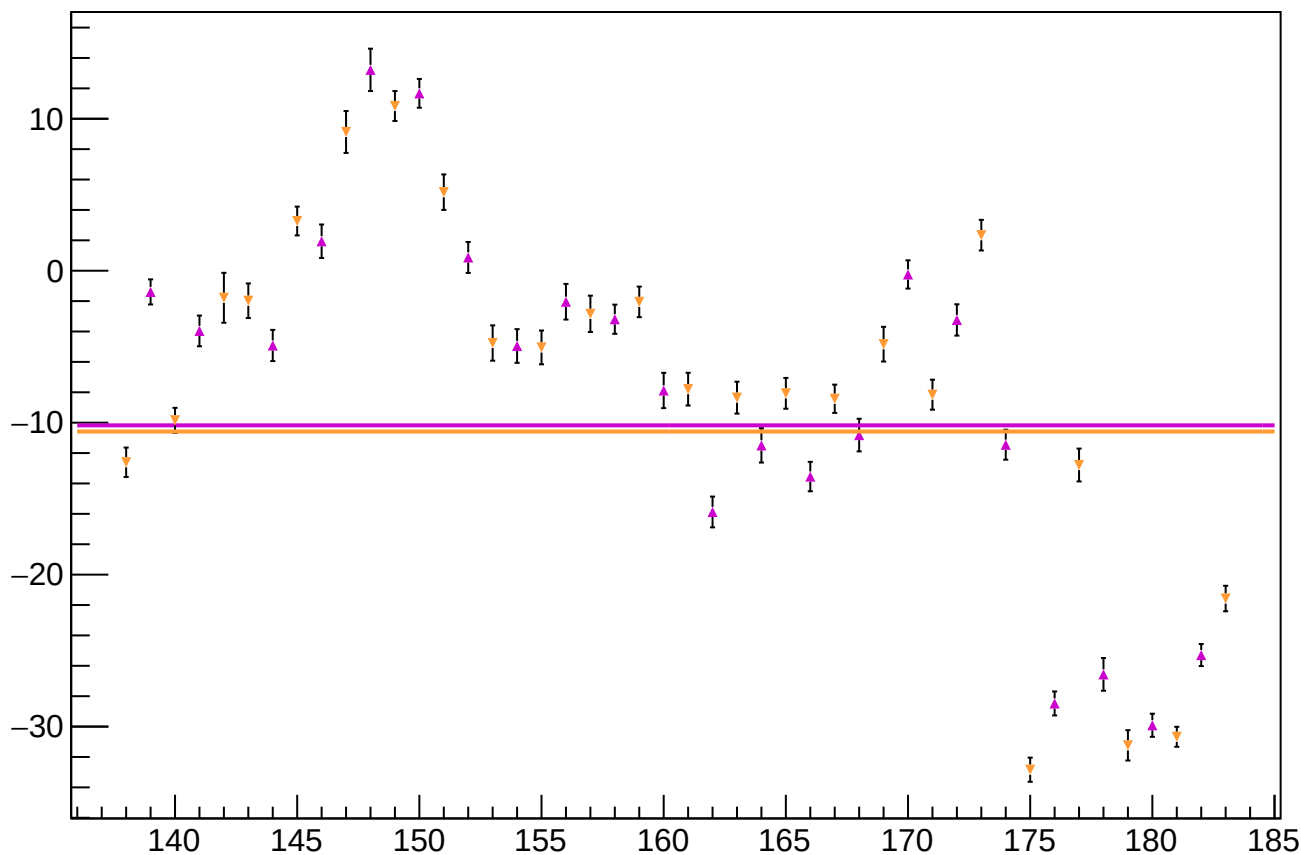
Right: -1.295 ± 0.033 χ^2/NDF : 1548.3/35

In: -0.790 ± 0.016 χ^2/NDF : 2881.4/38

Out: -0.882 ± 0.016 χ^2/NDF : 2697.3/42

All: -0.837 ± 0.011 χ^2/NDF : 5595.6/81

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -10.582+/-0.203 χ^2/NDF :3866.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -10.175+/-0.208 χ^2/NDF :3439.0/21

Left: -10.383+/-0.145 χ^2/NDF : 7307.1/45

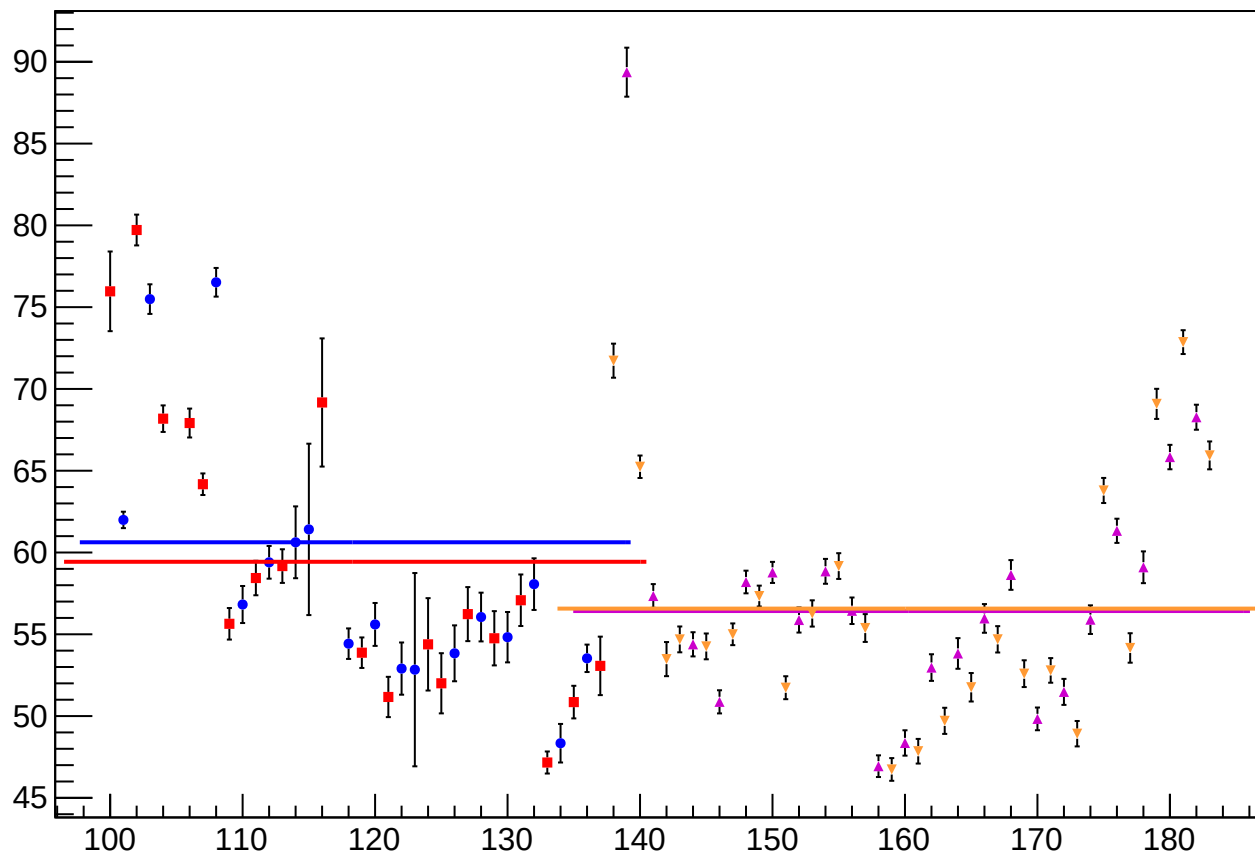
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.175+/-0.208 χ^2/NDF :3439.0/21

Out: -10.582+/-0.203 χ^2/NDF :3866.2/23

All: -10.383+/-0.145 χ^2/NDF : 7307.1/45

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.626 $\pm$ 0.263 χ^2 /NDF: 924.5/16

Left Out: 56.570 $\pm$ 0.160 χ^2 /NDF:1953.6/23

Right Out: 59.433 $\pm$ 0.248 χ^2 /NDF: 1325.2/18

Left In: 56.422 $\pm$ 0.167 χ^2 /NDF:1509.3/21

Left: 56.499 $\pm$ 0.115 χ^2 /NDF: 3463.4/45

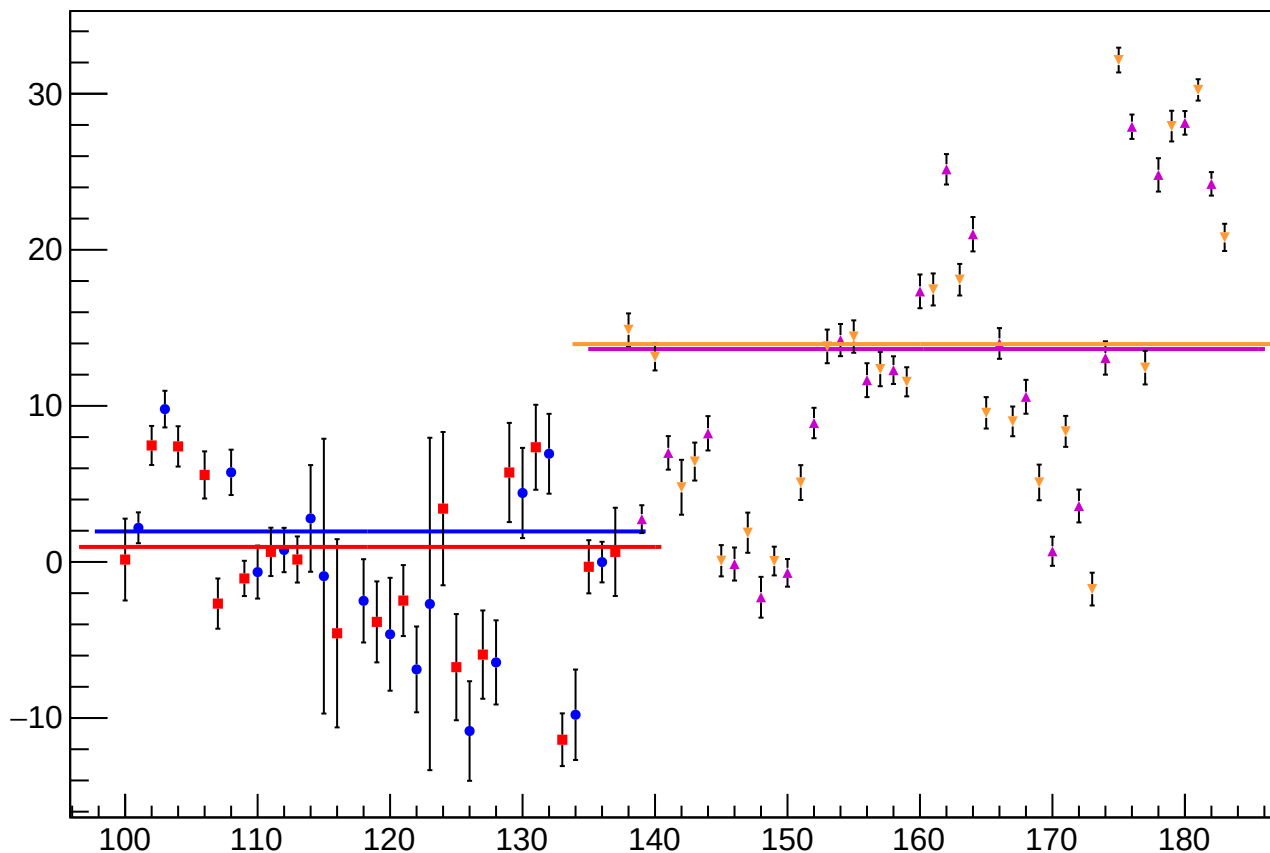
Right: 59.993 $\pm$ 0.181 χ^2 /NDF: 2260.6/35

In: 57.623 $\pm$ 0.141 χ^2 /NDF:2615.9/38

Out: 57.412 $\pm$ 0.134 χ^2 /NDF:3372.9/42

All: 57.513 $\pm$ 0.097 χ^2 /NDF: 5990.0/81

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.955 ± 0.459 χ^2/NDF : 120.2/16

Left Out: 13.958 ± 0.203 χ^2/NDF : 2395.8/23

Right Out: 0.964 ± 0.425 χ^2/NDF : 149.6/18

Left In: 13.641 ± 0.207 χ^2/NDF : 2314.9/21

Left: 13.802 ± 0.145 χ^2/NDF : 4711.8/45

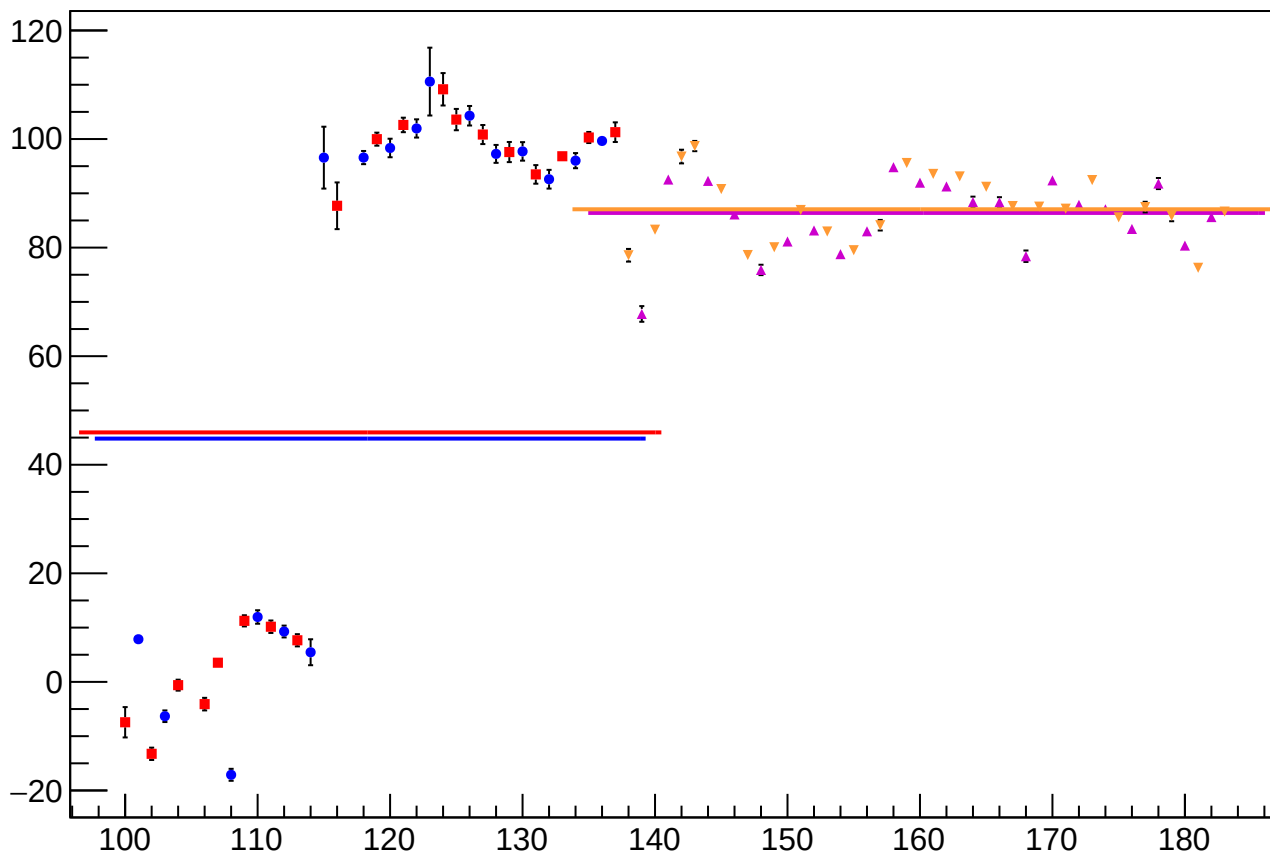
Right: 1.421 ± 0.312 χ^2/NDF : 272.4/35

In: 11.671 ± 0.189 χ^2/NDF : 2973.3/38

Out: 11.535 ± 0.183 χ^2/NDF : 3307.2/42

All: 11.601 ± 0.131 χ^2/NDF : 6280.7/81

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.818+/-0.305 χ^2/NDF : 24700.1/16

Left Out: 87.060+/-0.181 χ^2/NDF : 1084.5/23

Right Out: 45.958+/-0.290 χ^2/NDF : 28216.1/18

Left In: 86.388+/-0.186 χ^2/NDF : 988.9/21

Left: 86.734+/-0.130 χ^2/NDF : 2080.1/45

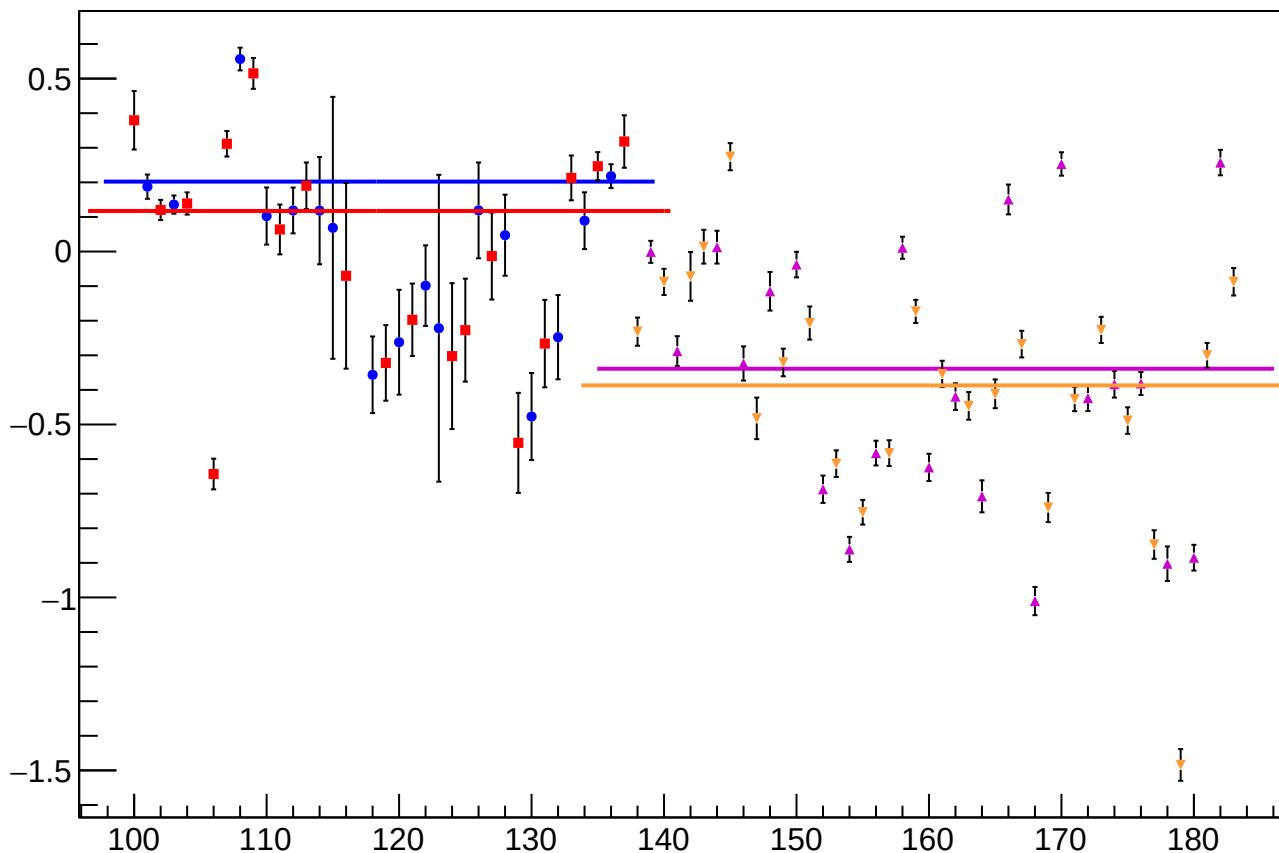
Right: 45.417+/-0.210 χ^2/NDF : 52923.6/35

In: 75.091+/-0.159 χ^2/NDF : 39216.5/38

Out: 75.561+/-0.153 χ^2/NDF : 43796.9/42

All: 75.335+/-0.110 χ^2/NDF : 83018.0/81

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 215.7/16

Left Out: -0.387 ± 0.008 χ^2/NDF : 1546.0/23

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.1/18

Left In: -0.339 ± 0.008 χ^2/NDF : 2142.5/21

Left: -0.363 ± 0.006 χ^2/NDF : 3705.5/45

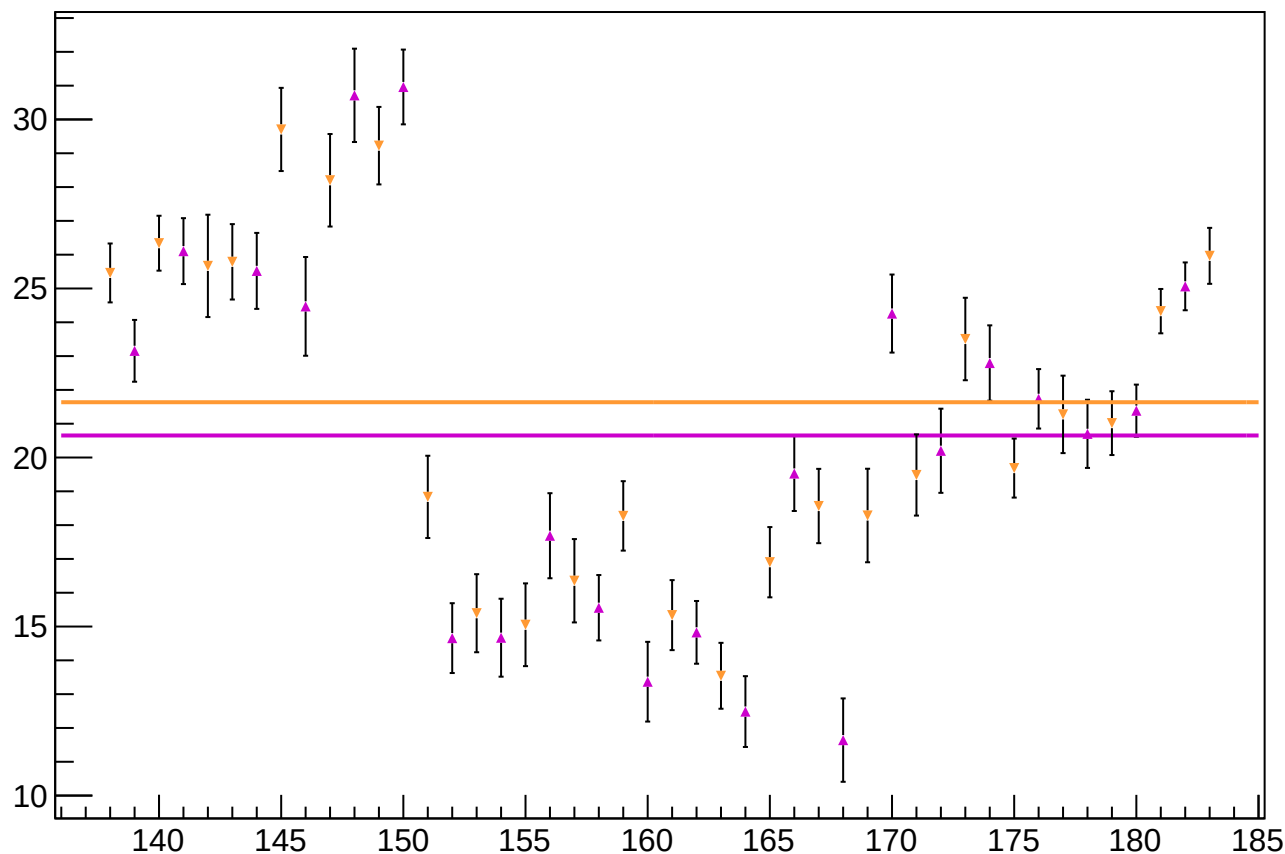
Right: 0.157 ± 0.010 χ^2/NDF : 734.4/35

In: -0.199 ± 0.007 χ^2/NDF : 3456.8/38

Out: -0.243 ± 0.007 χ^2/NDF : 3115.8/42

All: -0.222 ± 0.005 χ^2/NDF : 6592.4/81

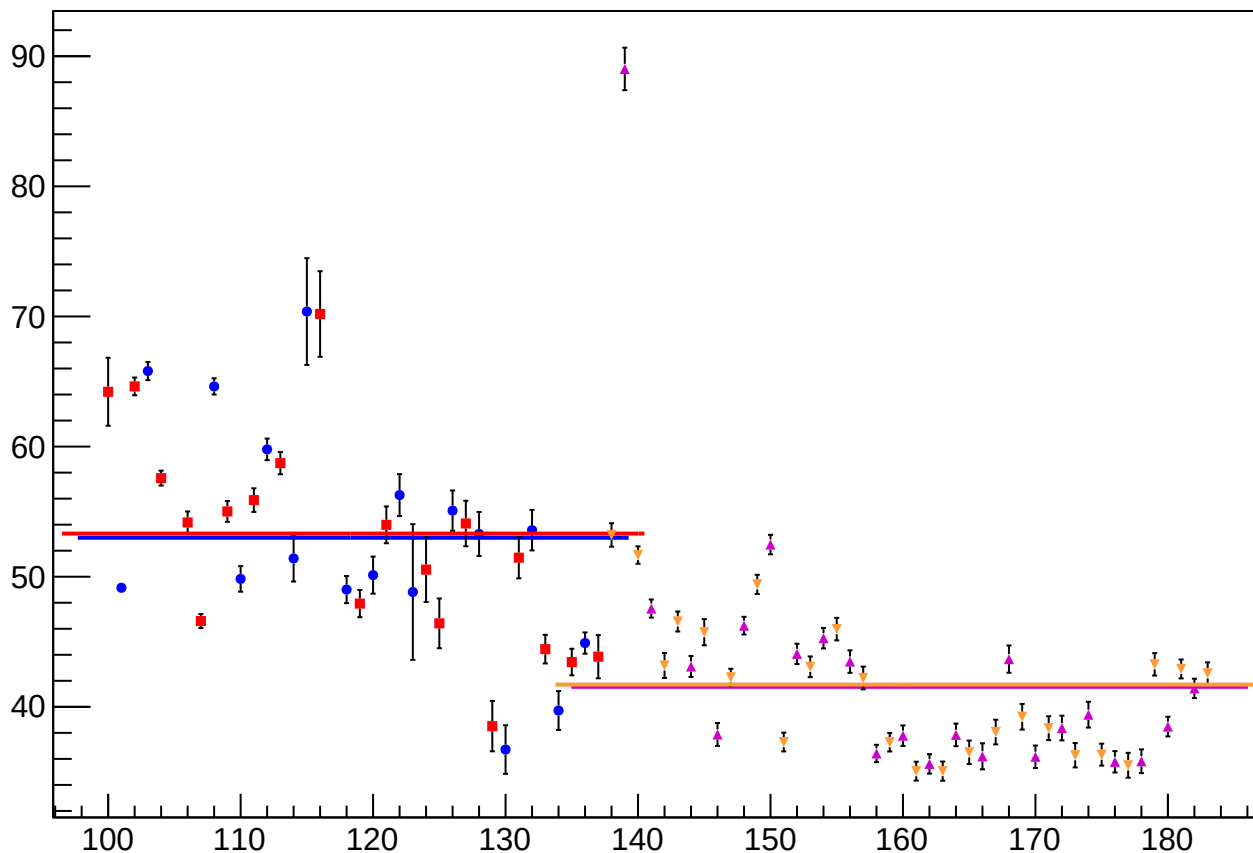
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.636 $\pm$ 0.212 χ^2 /NDF:471.8/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 20.652 $\pm$ 0.220 χ^2 /NDF:546.0/21

Left: 21.163 $\pm$ 0.153 χ^2 /NDF: 1028.1/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 20.652 $\pm$ 0.220 χ^2 /NDF:546.0/21
 Out: 21.636 $\pm$ 0.212 χ^2 /NDF:471.8/23
 All: 21.163 $\pm$ 0.153 χ^2 /NDF: 1028.1/45

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.994 ± 0.211 $\chi^2/\text{NDF}: 1197.9/16$

Left Out: 41.711 ± 0.166 $\chi^2/\text{NDF}: 1010.0/23$

Right Out: 53.316 ± 0.227 $\chi^2/\text{NDF}: 876.7/18$

Left In: 41.538 ± 0.176 $\chi^2/\text{NDF}: 1593.5/21$

Left: 41.629 ± 0.121 $\chi^2/\text{NDF}: 2604.0/45$

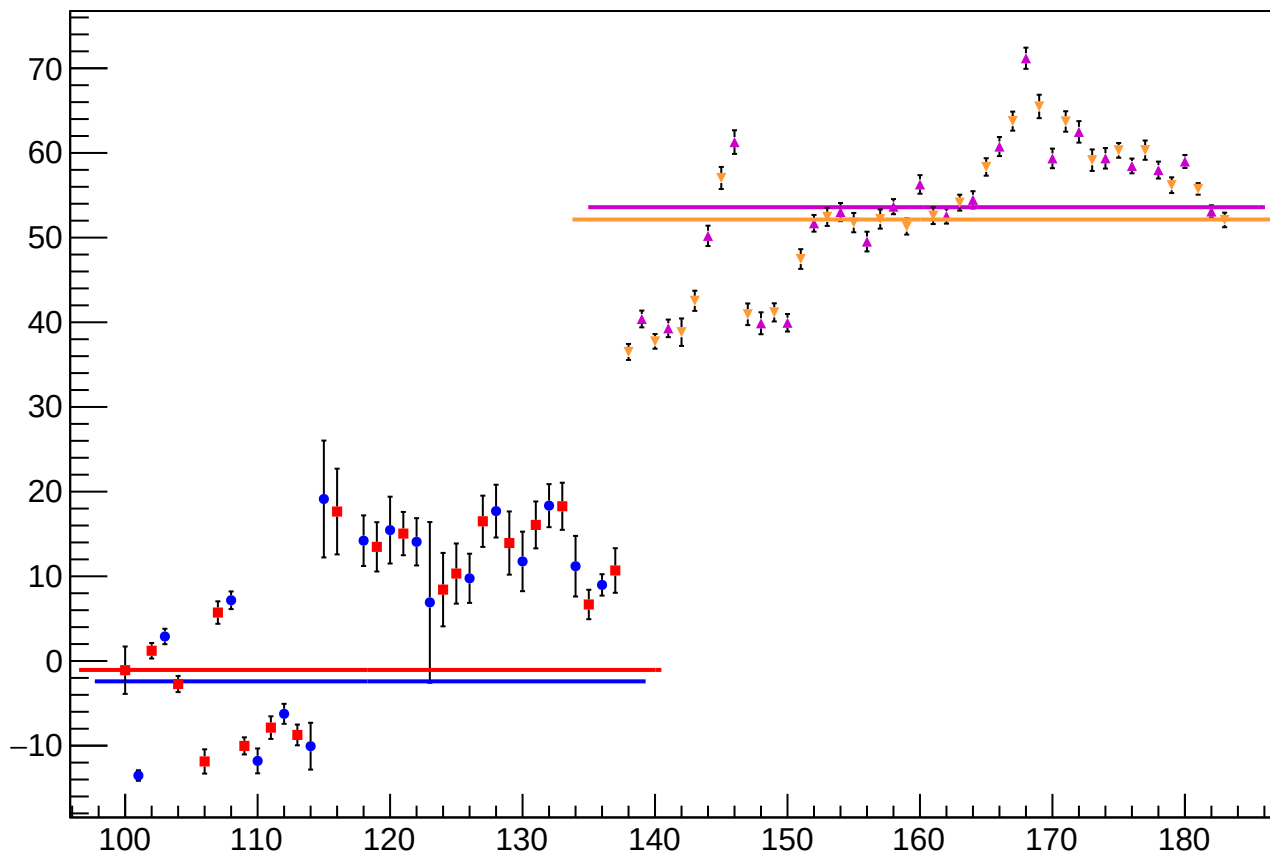
Right: 53.143 ± 0.155 $\chi^2/\text{NDF}: 2075.6/35$

In: 46.223 ± 0.135 $\chi^2/\text{NDF}: 4532.7/38$

Out: 45.774 ± 0.134 $\chi^2/\text{NDF}: 3587.8/42$

All: 45.997 ± 0.095 $\chi^2/\text{NDF}: 8126.0/81$

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.405 ± 0.365 χ^2/NDF : 832.0/16

Left Out: 52.138 ± 0.212 χ^2/NDF : 1445.4/23

Right Out: -1.056 ± 0.377 χ^2/NDF : 505.5/18

Left In: 53.593 ± 0.218 χ^2/NDF : 1152.8/21

Left: 52.842 ± 0.152 χ^2/NDF : 2621.1/45

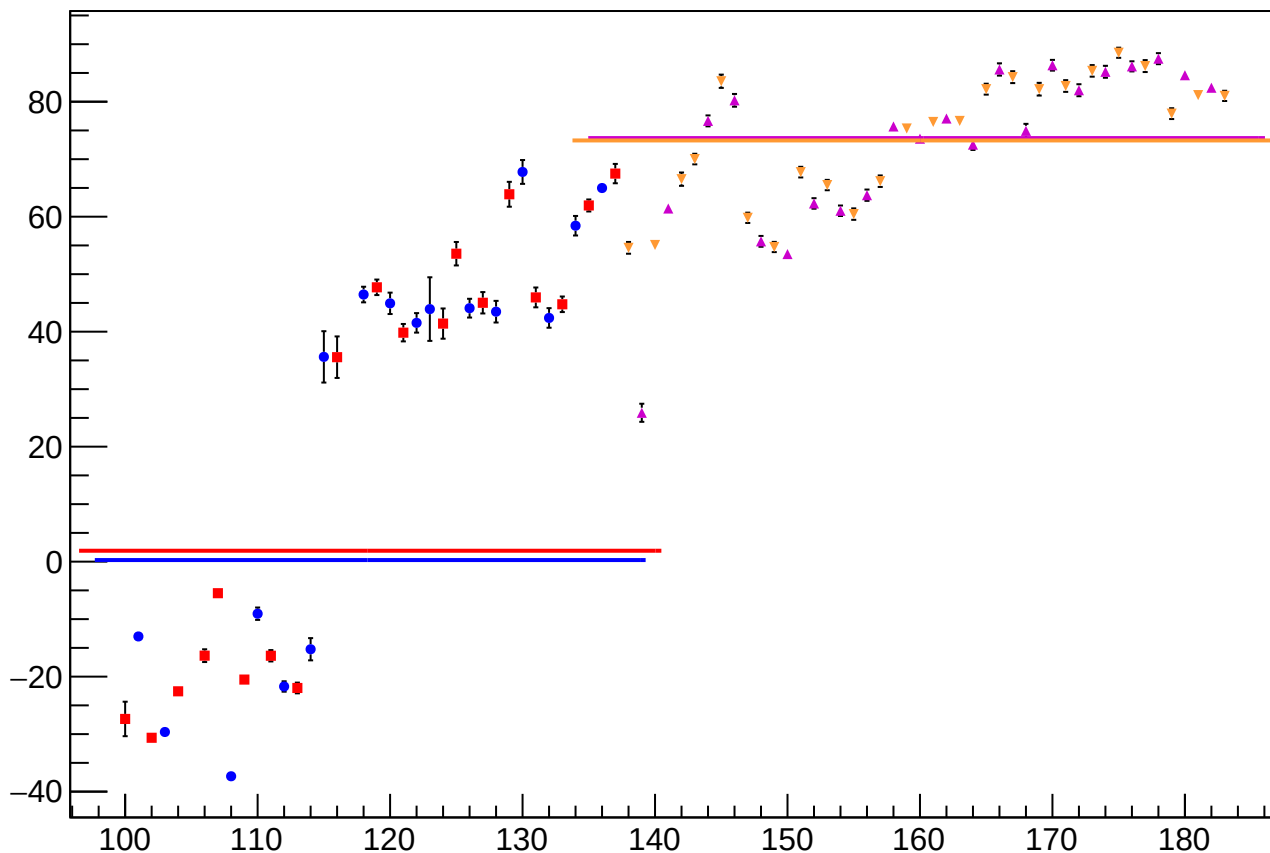
Right: -1.753 ± 0.262 χ^2/NDF : 1344.1/35

In: 38.808 ± 0.187 χ^2/NDF : 19342.6/38

Out: 39.401 ± 0.185 χ^2/NDF : 17074.5/42

All: 39.109 ± 0.131 χ^2/NDF : 36422.1/81

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.275 ± 0.248 χ^2/NDF : 18220.1/16

Left Out: 73.261 ± 0.188 χ^2/NDF : 3143.2/23

Right Out: 1.897 ± 0.267 χ^2/NDF : 15412.8/18

Left In: 73.672 ± 0.196 χ^2/NDF : 3771.9/21

Left: 73.458 ± 0.136 χ^2/NDF : 6917.4/45

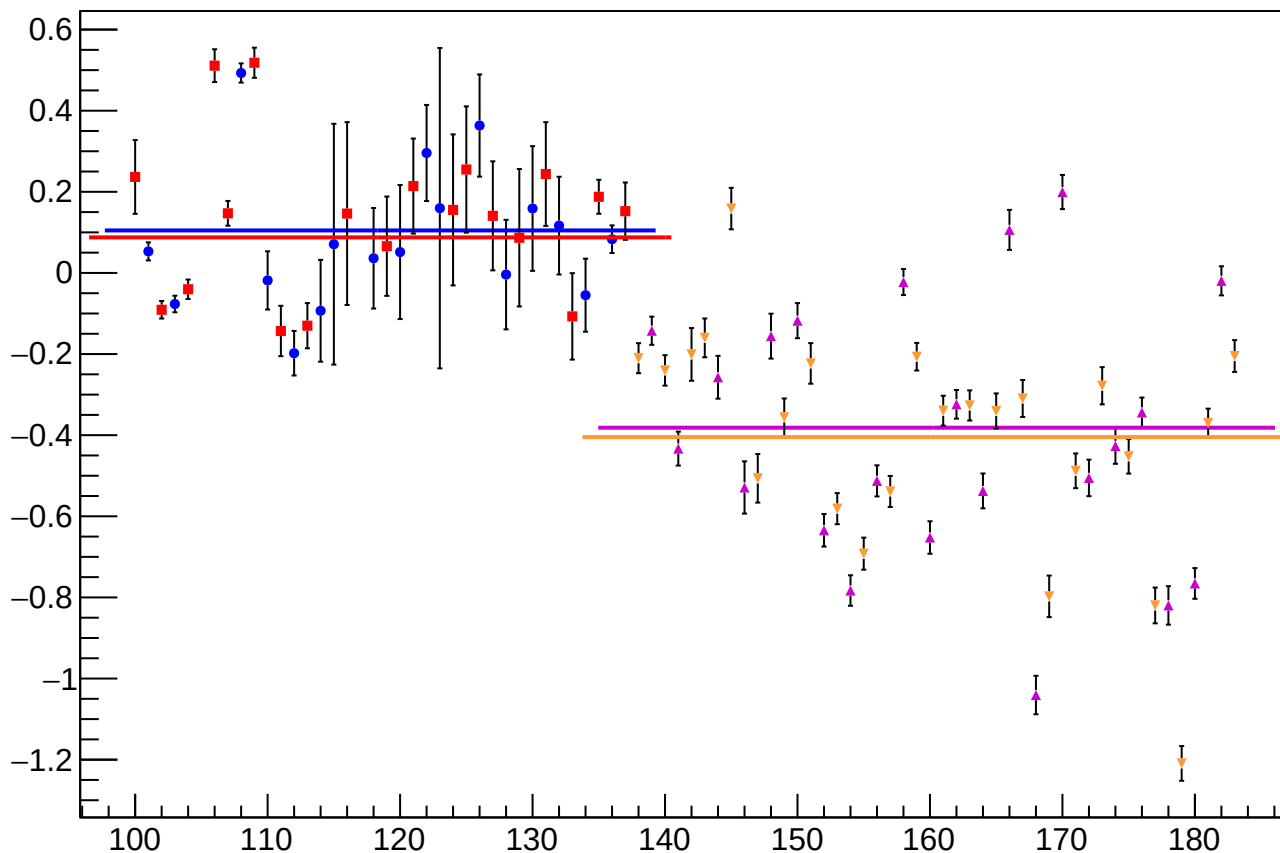
Right: 1.026 ± 0.181 χ^2/NDF : 33652.7/35

In: 45.315 ± 0.154 χ^2/NDF : 75896.5/38

Out: 49.542 ± 0.154 χ^2/NDF : 66329.4/42

All: 47.430 ± 0.109 χ^2/NDF : 142603.3/81

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.405 ± 0.009 $\chi^2/\text{NDF}: 894.8/23$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.7/18$

Left In: -0.382 ± 0.009 $\chi^2/\text{NDF}: 1247.1/21$

Left: -0.393 ± 0.006 $\chi^2/\text{NDF}: 2145.4/45$

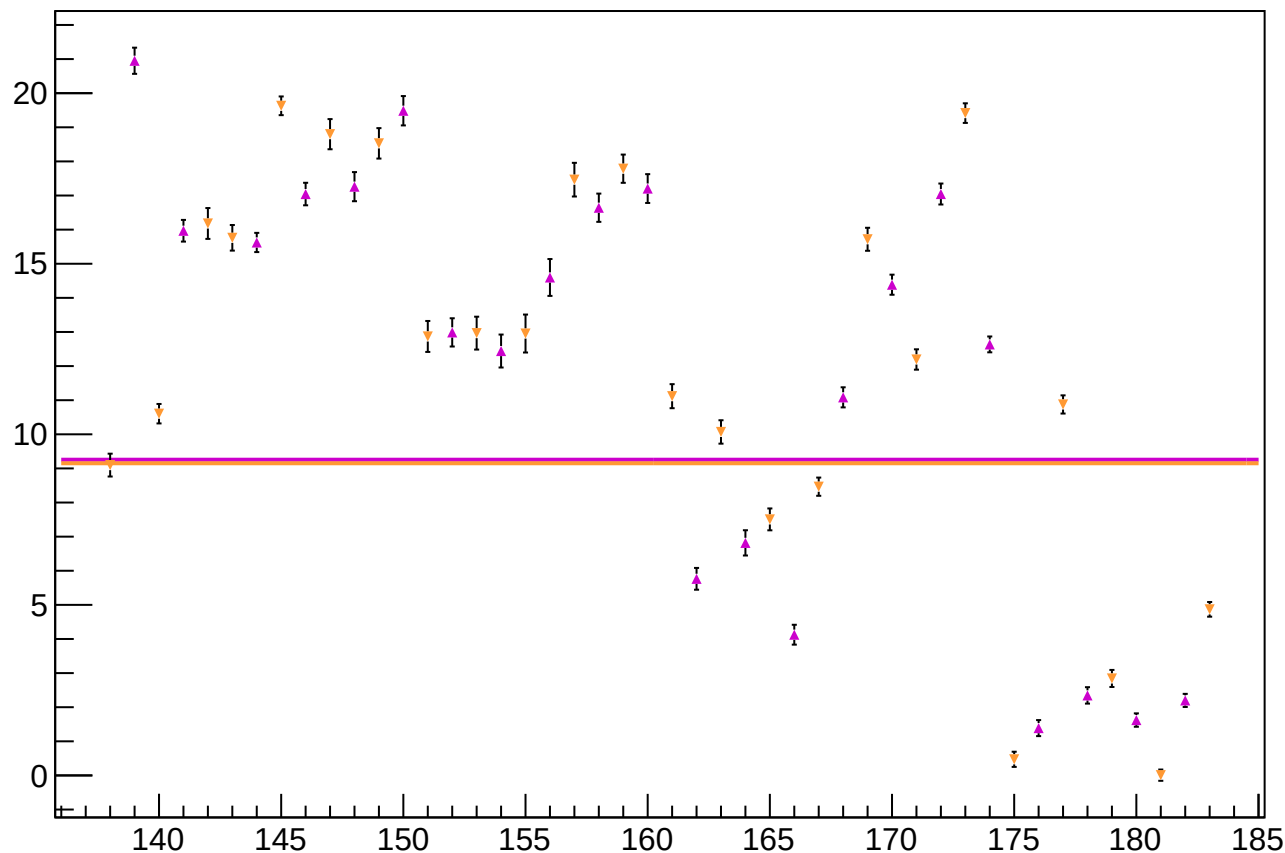
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.193 ± 0.007 $\chi^2/\text{NDF}: 2833.6/38$

Out: -0.217 ± 0.007 $\chi^2/\text{NDF}: 2523.6/42$

All: -0.205 ± 0.005 $\chi^2/\text{NDF}: 5363.7/81$

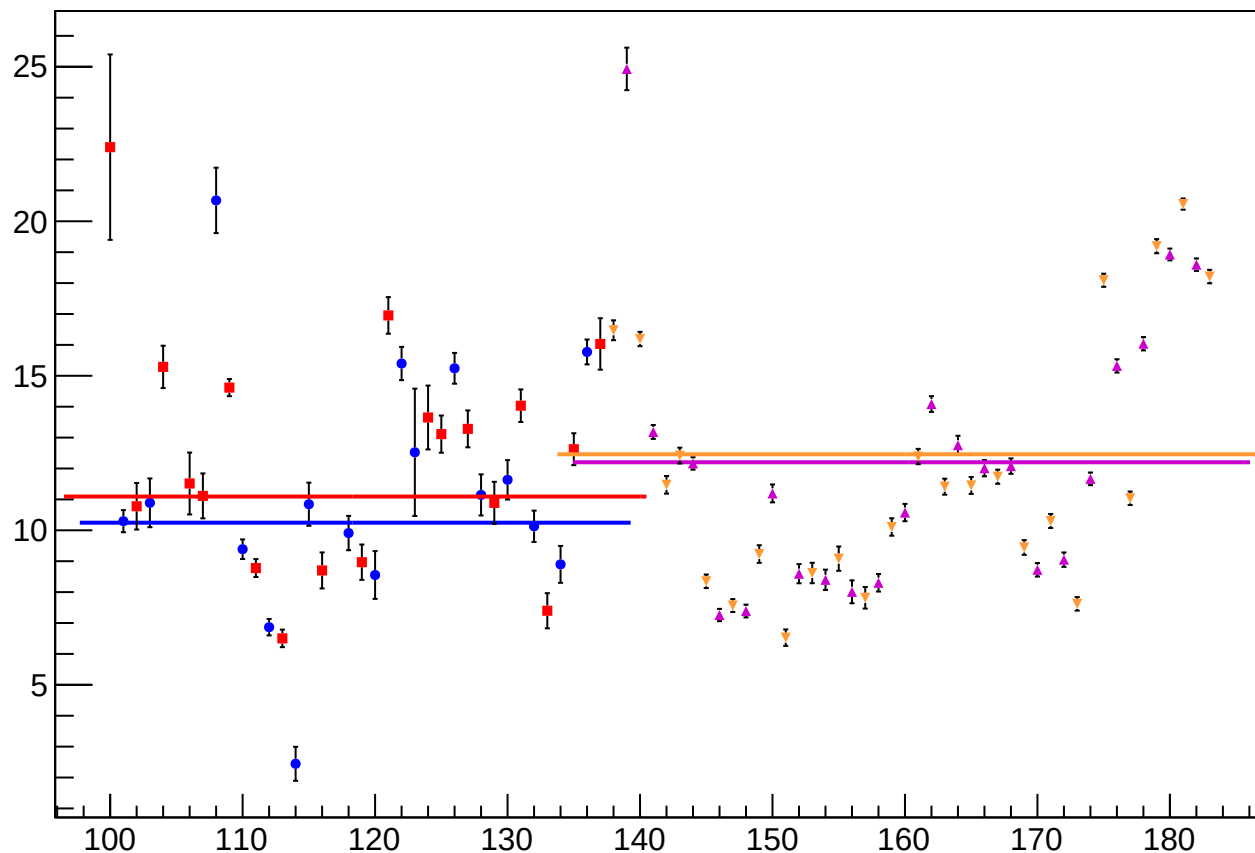
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 9.151+/-0.062 χ^2/NDF :11347.3/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.255+/-0.064 χ^2/NDF :10731.6/21

Left: 9.201+/-0.045 χ^2/NDF : 22080.2/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.255+/-0.064 χ^2/NDF :10731.6/21
 Out: 9.151+/-0.062 χ^2/NDF :11347.3/23
 All: 9.201+/-0.045 χ^2/NDF : 22080.2/45

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.246+/-0.120 χ^2/NDF : 866.1/16

Left Out: 12.460+/-0.050 χ^2/NDF : 7464.5/23

Right Out: 11.093+/-0.117 χ^2/NDF : 816.7/18

Left In: 12.201+/-0.052 χ^2/NDF : 5406.1/21

Left: 12.335+/-0.036 χ^2/NDF : 12883.5/45

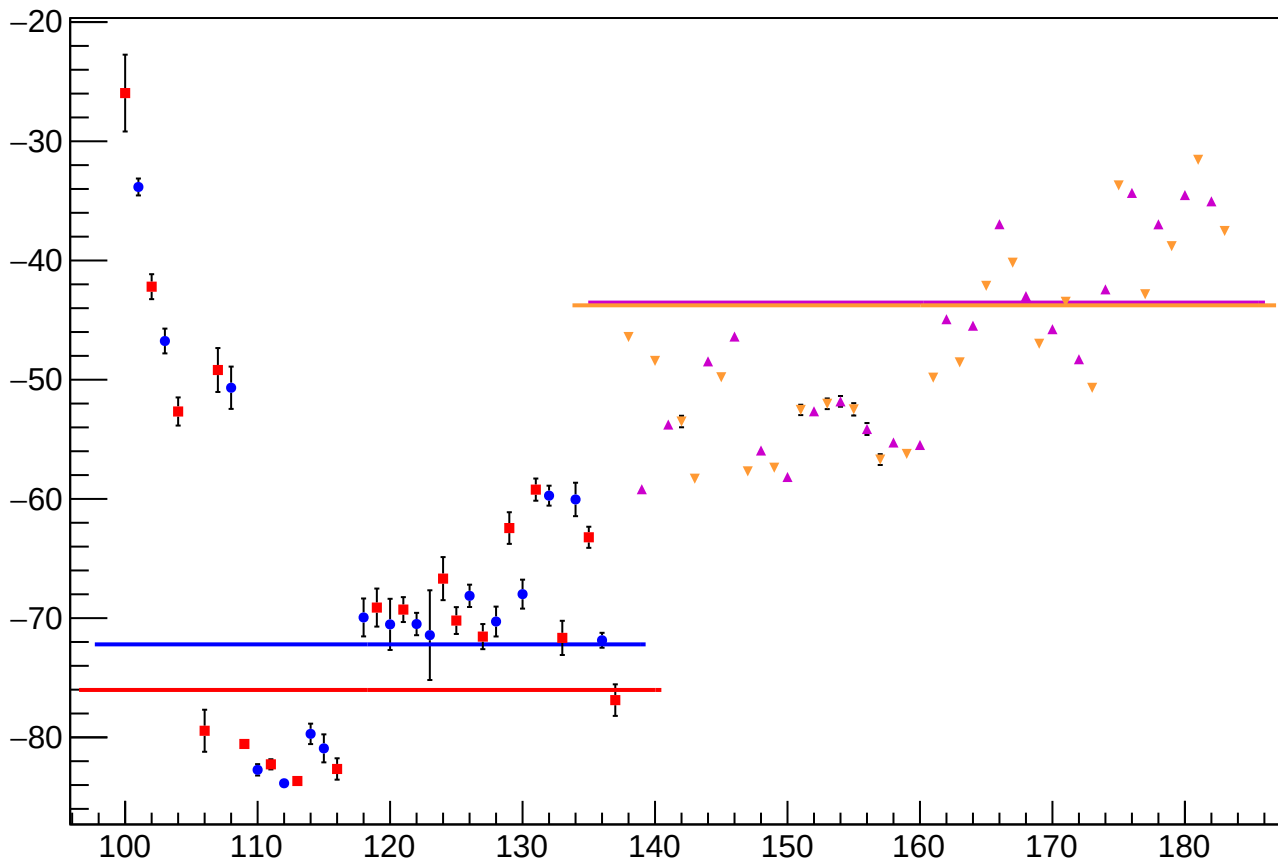
Right: 10.681+/-0.083 χ^2/NDF : 1708.5/35

In: 11.893+/-0.047 χ^2/NDF : 6497.1/38

Out: 12.246+/-0.046 χ^2/NDF : 8397.5/42

All: 12.075+/-0.033 χ^2/NDF : 14922.9/81

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.200 ± 0.198 $\chi^2/\text{NDF}: 5562.7/16$

Left Out: -43.761 ± 0.063 $\chi^2/\text{NDF}: 17184.3/23$

Right Out: -76.024 ± 0.181 $\chi^2/\text{NDF}: 3459.2/18$

Left In: -43.530 ± 0.064 $\chi^2/\text{NDF}: 15266.7/21$

Left: -43.648 ± 0.045 $\chi^2/\text{NDF}: 32457.6/45$

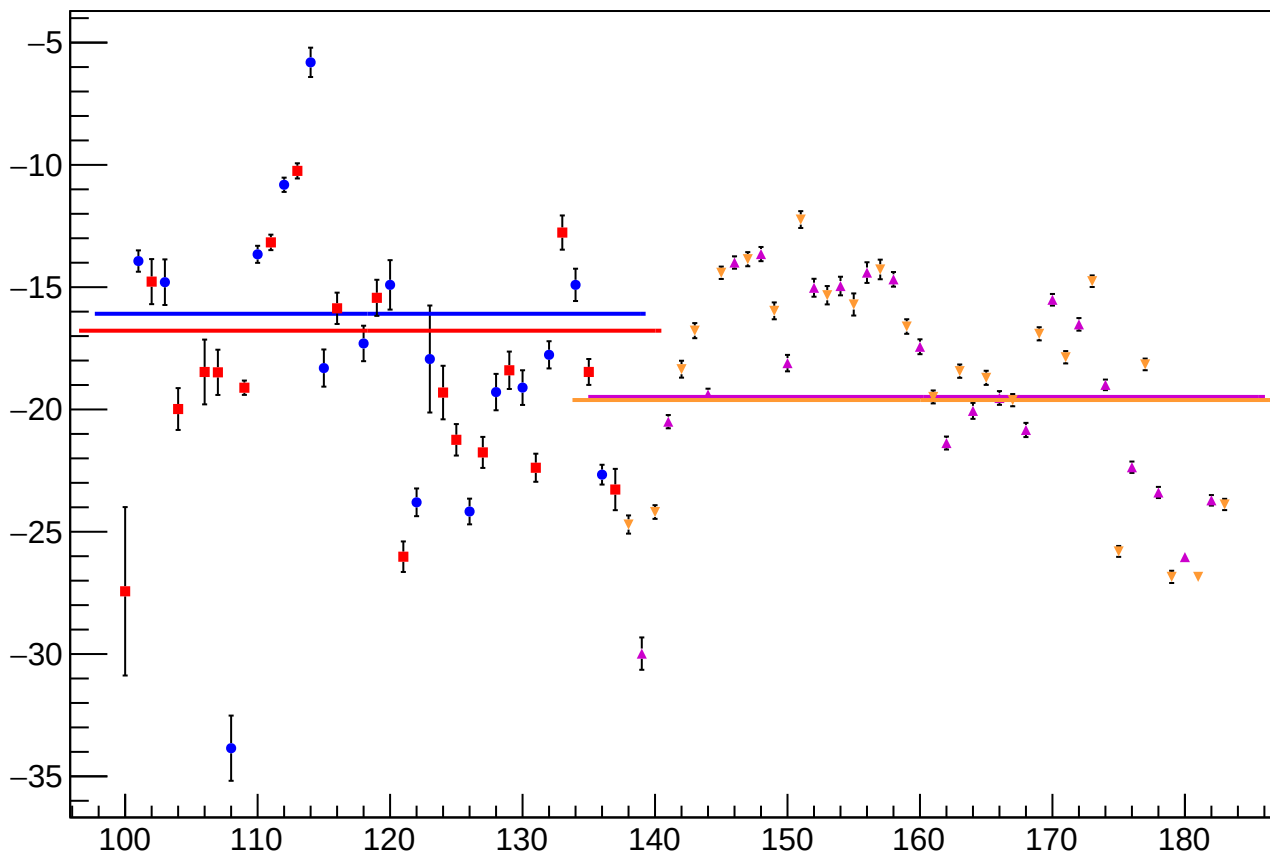
Right: -74.286 ± 0.134 $\chi^2/\text{NDF}: 9224.5/35$

In: -46.251 ± 0.061 $\chi^2/\text{NDF}: 39723.5/38$

Out: -47.207 ± 0.059 $\chi^2/\text{NDF}: 48978.4/42$

All: -46.744 ± 0.043 $\chi^2/\text{NDF}: 88828.2/81$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.087 ± 0.133 $\chi^2/\text{NDF}: 1620.7/16$

Left Out: -19.614 ± 0.056 $\chi^2/\text{NDF}: 6384.9/23$

Right Out: -16.779 ± 0.128 $\chi^2/\text{NDF}: 1211.2/18$

Left In: -19.487 ± 0.058 $\chi^2/\text{NDF}: 4252.4/21$

Left: -19.552 ± 0.040 $\chi^2/\text{NDF}: 10639.7/45$

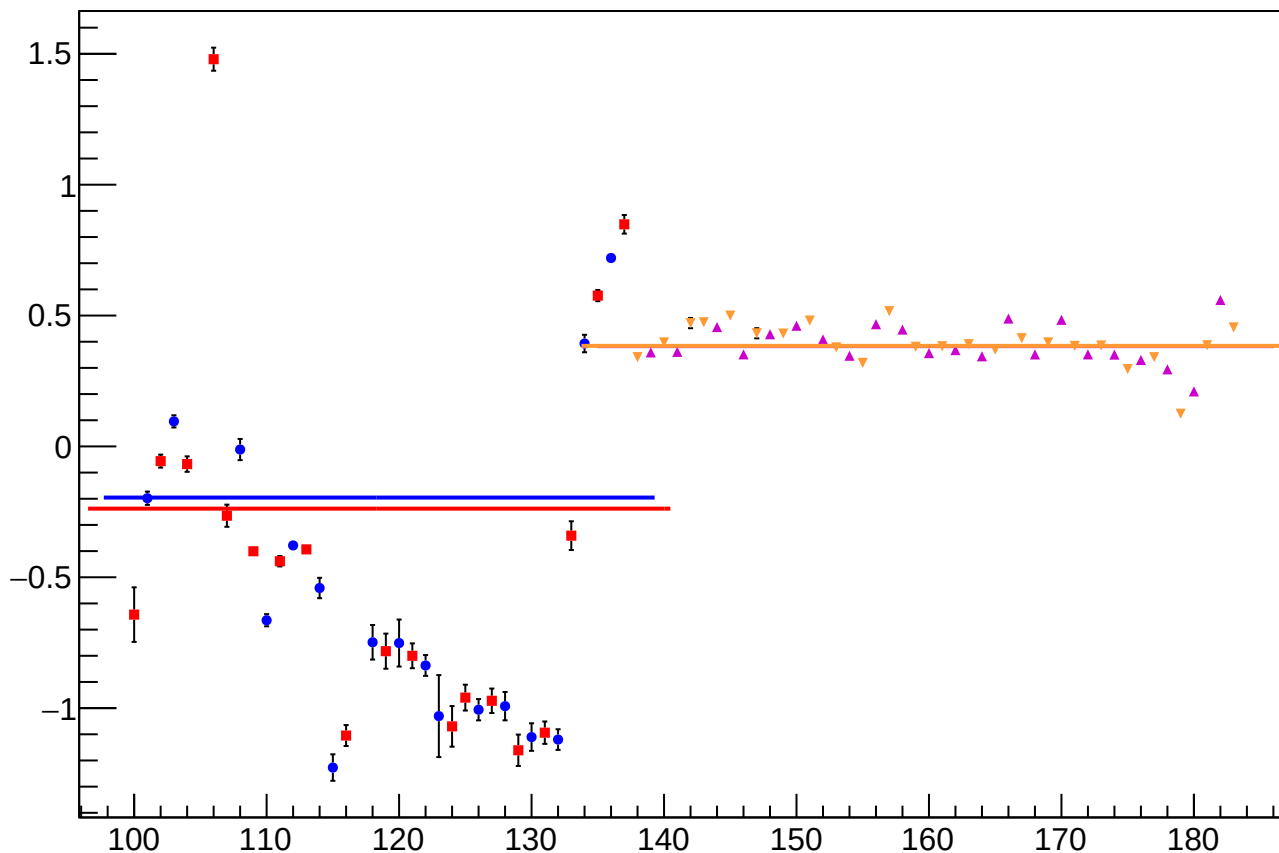
Right: -16.445 ± 0.092 $\chi^2/\text{NDF}: 2846.0/35$

In: -18.943 ± 0.053 $\chi^2/\text{NDF}: 6423.4/38$

Out: -19.155 ± 0.052 $\chi^2/\text{NDF}: 8005.1/42$

All: -19.052 ± 0.037 $\chi^2/\text{NDF}: 14436.7/81$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.195 ± 0.008 χ^2/NDF : 6316.5/16

Left Out: 0.384 ± 0.003 χ^2/NDF : 951.7/23

Right Out: -0.238 ± 0.007 χ^2/NDF : 6176.6/18

Left In: 0.383 ± 0.003 χ^2/NDF : 1055.7/21

Left: 0.384 ± 0.002 χ^2/NDF : 2007.4/45

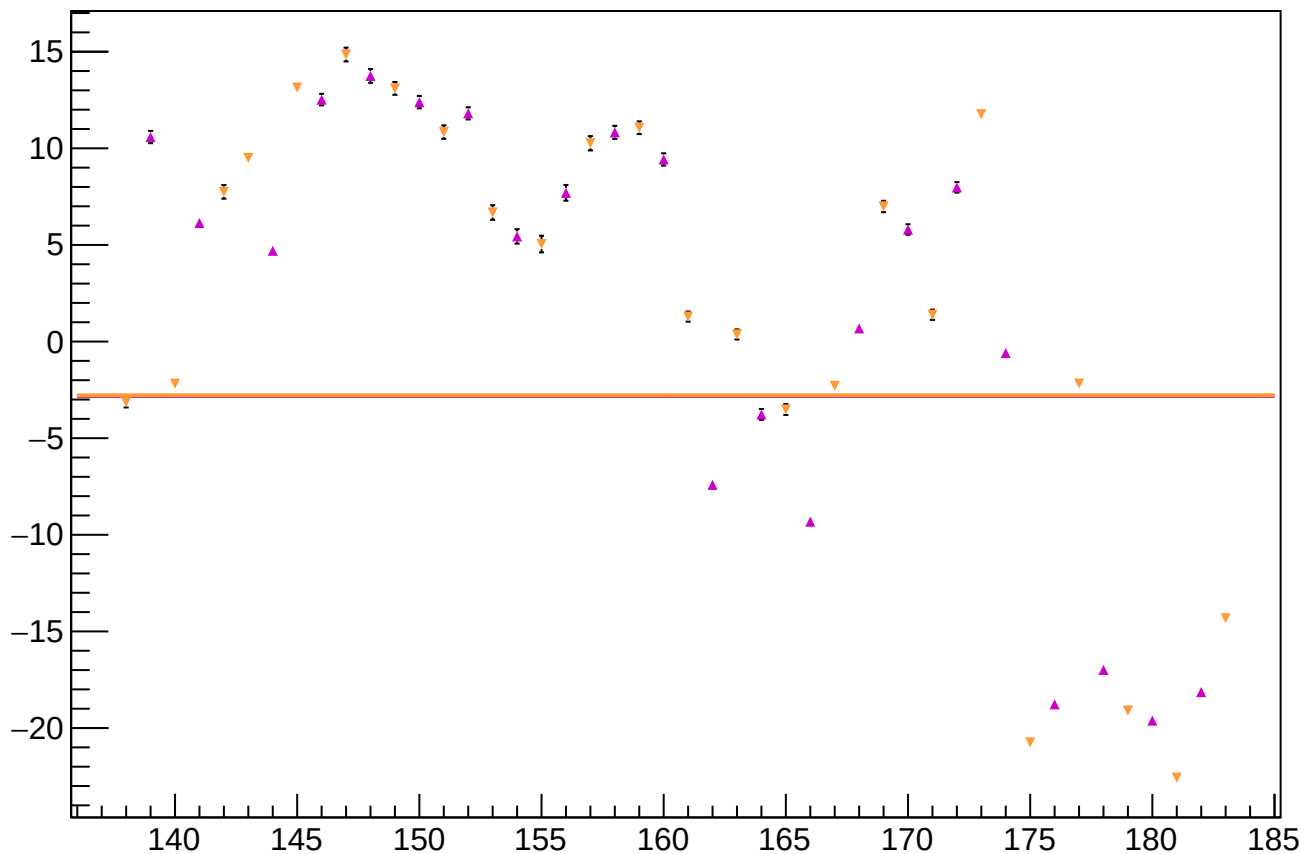
Right: -0.218 ± 0.005 χ^2/NDF : 12509.6/35

In: 0.320 ± 0.003 χ^2/NDF : 12590.7/38

Out: 0.312 ± 0.002 χ^2/NDF : 13753.9/42

All: 0.316 ± 0.002 χ^2/NDF : 26349.1/81

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.782+/-0.053 χ^2/NDF : 53867.7/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.817+/-0.056 χ^2/NDF : 45659.4/21

Left: -2.799+/-0.038 χ^2/NDF : 99527.4/45

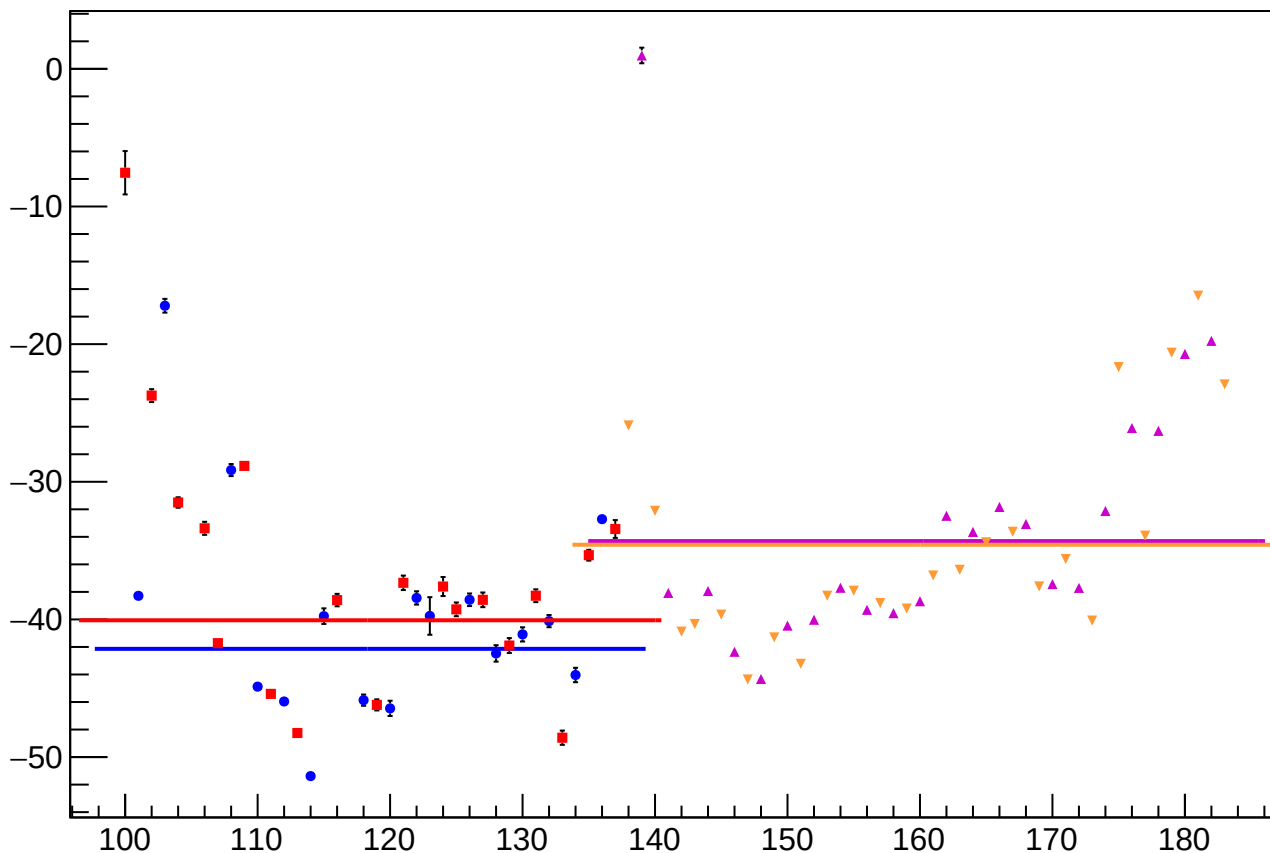
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.817+/-0.056 χ^2/NDF : 45659.4/21

Out: -2.782+/-0.053 χ^2/NDF : 53867.7/23

All: -2.799+/-0.038 χ^2/NDF : 99527.4/45

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.136 ± 0.078 χ^2/NDF : 6553.2/16

Left Out: -34.573 ± 0.042 χ^2/NDF : 34483.1/23

Right Out: -40.062 ± 0.073 χ^2/NDF : 11320.5/18

Left In: -34.307 ± 0.044 χ^2/NDF : 27824.7/21

Left: -34.447 ± 0.031 χ^2/NDF : 62326.7/45

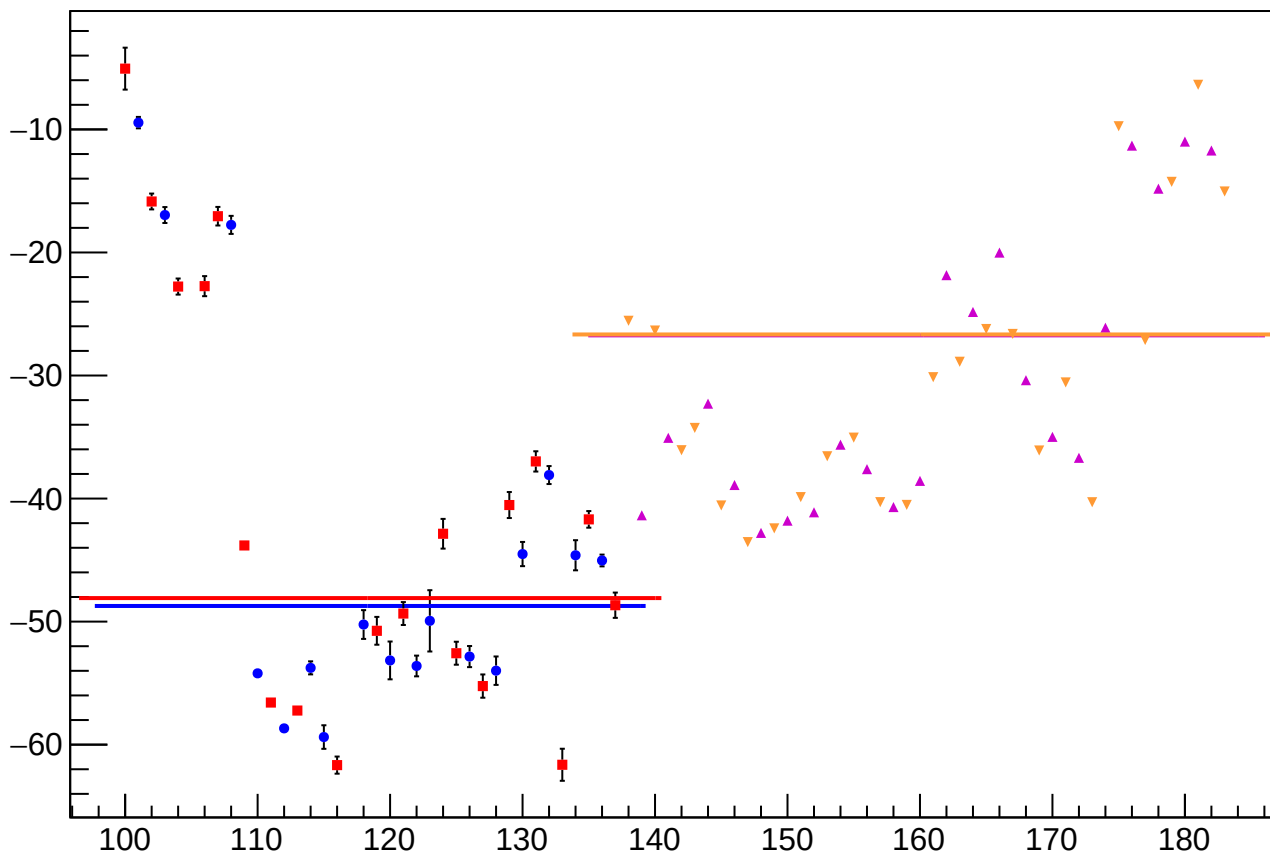
Right: -41.025 ± 0.053 χ^2/NDF : 18250.8/35

In: -36.212 ± 0.039 χ^2/NDF : 41967.3/38

Out: -35.949 ± 0.036 χ^2/NDF : 50062.3/42

All: -36.073 ± 0.026 χ^2/NDF : 92054.3/81

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.729 ± 0.125 $\chi^2/\text{NDF}: 14659.5/16$

Left Out: -26.663 ± 0.054 $\chi^2/\text{NDF}: 47485.3/23$

Right Out: -48.089 ± 0.107 $\chi^2/\text{NDF}: 11732.9/18$

Left In: -26.737 ± 0.056 $\chi^2/\text{NDF}: 42007.2/21$

Left: -26.699 ± 0.039 $\chi^2/\text{NDF}: 89493.4/45$

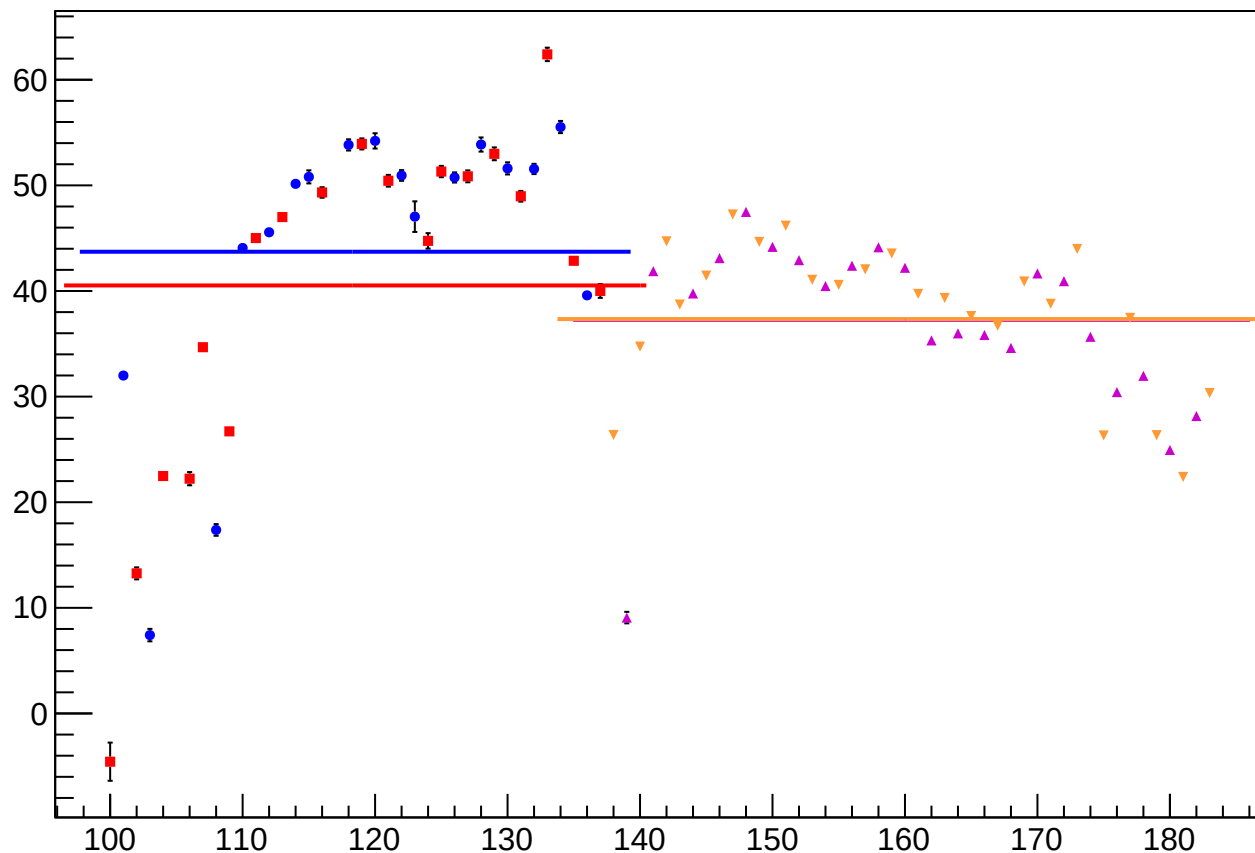
Right: -48.361 ± 0.081 $\chi^2/\text{NDF}: 26407.5/35$

In: -30.376 ± 0.051 $\chi^2/\text{NDF}: 82569.7/38$

Out: -30.954 ± 0.048 $\chi^2/\text{NDF}: 91116.2/42$

All: -30.681 ± 0.035 $\chi^2/\text{NDF}: 173754.4/81$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.716 $\pm$ 0.087 χ^2 /NDF: 10564.2/16

Left Out: 37.340 $\pm$ 0.048 χ^2 /NDF: 21277.3/23

Right Out: 40.525 $\pm$ 0.080 χ^2 /NDF: 17578.6/18

Left In: 37.266 $\pm$ 0.050 χ^2 /NDF: 17021.4/21

Left: 37.305 $\pm$ 0.034 χ^2 /NDF: 38299.8/45

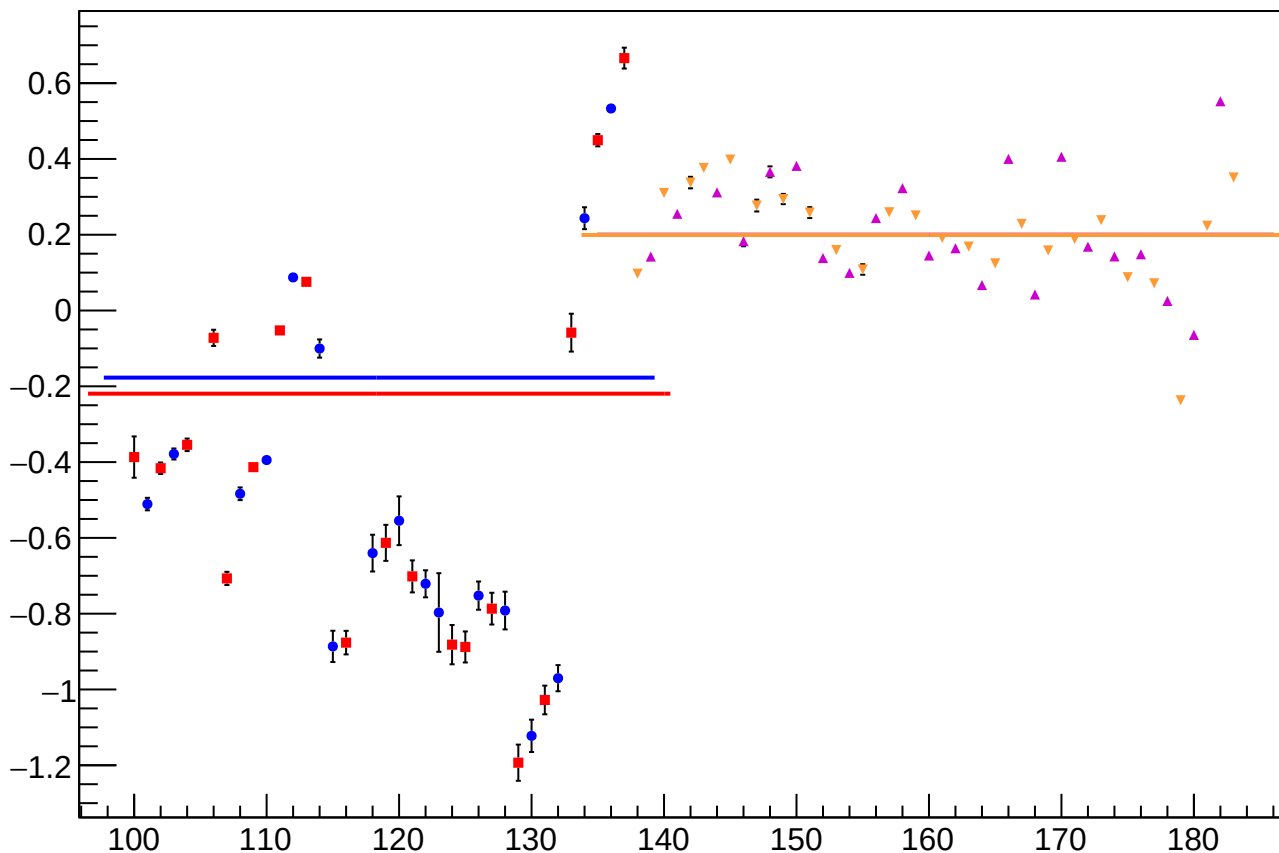
Right: 41.991 $\pm$ 0.059 χ^2 /NDF: 28869.7/35

In: 38.854 $\pm$ 0.043 χ^2 /NDF: 31726.1/38

Out: 38.168 $\pm$ 0.041 χ^2 /NDF: 40021.7/42

All: 38.493 $\pm$ 0.030 χ^2 /NDF: 71880.7/81

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7353.5/16

Left Out: 0.199 ± 0.002 χ^2/NDF : 3542.8/23

Right Out: -0.219 ± 0.004 χ^2/NDF : 7417.3/18

Left In: 0.200 ± 0.002 χ^2/NDF : 4417.7/21

Left: 0.200 ± 0.002 χ^2/NDF : 7960.5/45

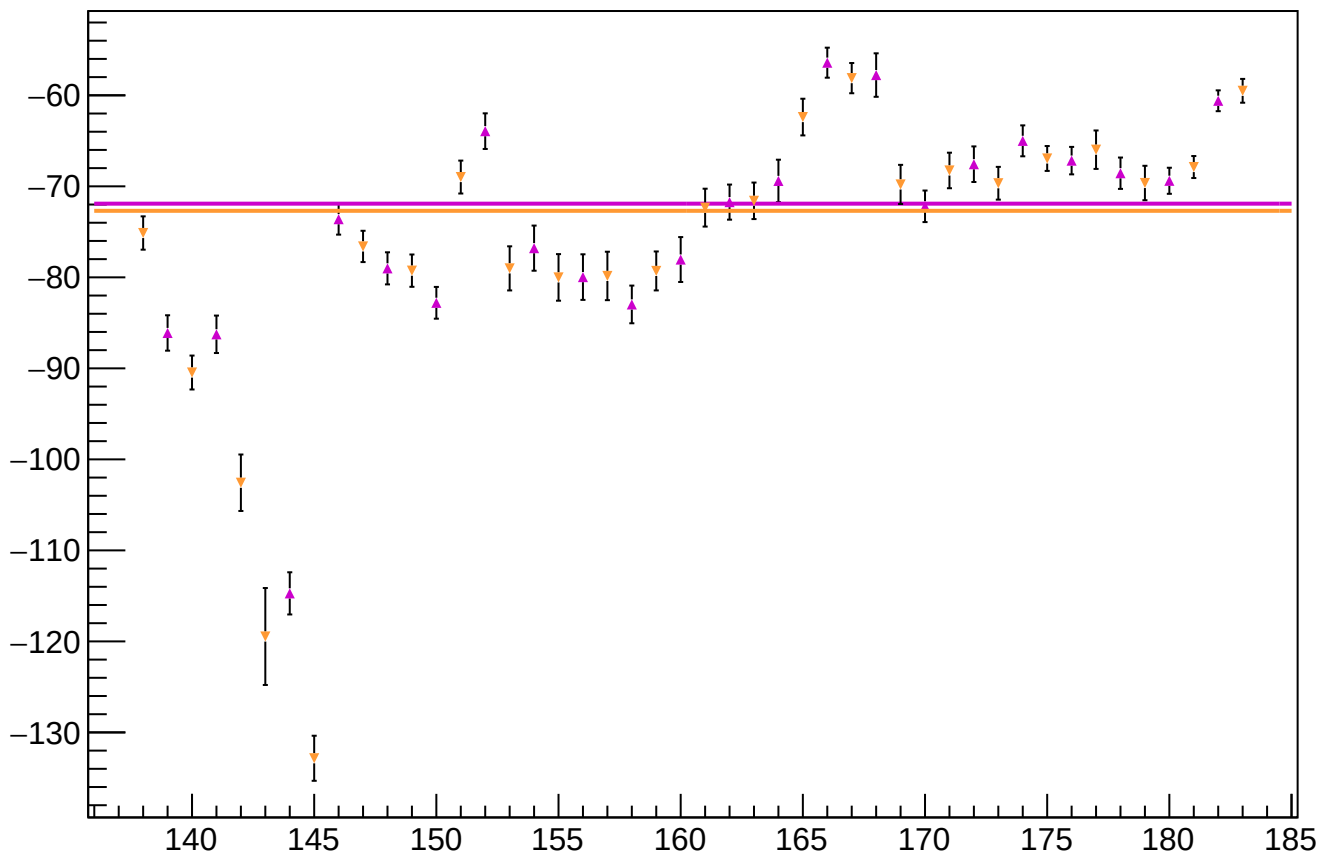
Right: -0.201 ± 0.003 χ^2/NDF : 14813.5/35

In: 0.132 ± 0.002 χ^2/NDF : 16741.2/38

Out: 0.113 ± 0.002 χ^2/NDF : 18461.7/42

All: 0.122 ± 0.001 χ^2/NDF : 35251.9/81

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -72.690+/-0.386 χ^2/NDF :1168.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -71.904+/-0.388 χ^2/NDF :825.2/21

Left: -72.300+/-0.274 χ^2/NDF : 1996.1/45

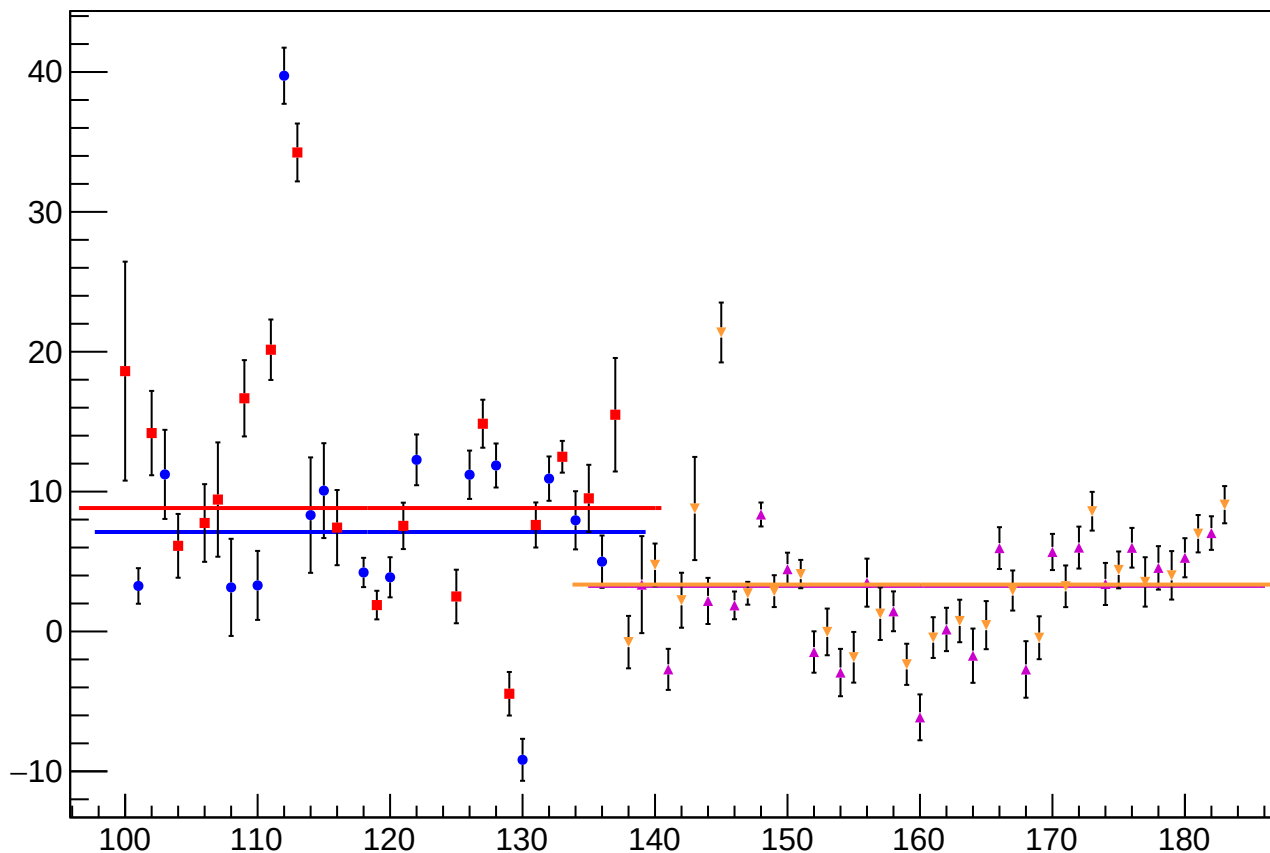
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -71.904+/-0.388 χ^2/NDF :825.2/21

Out: -72.690+/-0.386 χ^2/NDF :1168.9/23

All: -72.300+/-0.274 χ^2/NDF : 1996.1/45

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.112 ± 0.440 $\chi^2/\text{NDF}: 440.4/15$

Left Out: 3.353 ± 0.296 $\chi^2/\text{NDF}: 168.7/23$

Right Out: 8.824 ± 0.449 $\chi^2/\text{NDF}: 349.7/17$

Left In: 3.259 ± 0.302 $\chi^2/\text{NDF}: 159.4/21$

Left: 3.307 ± 0.211 $\chi^2/\text{NDF}: 328.2/45$

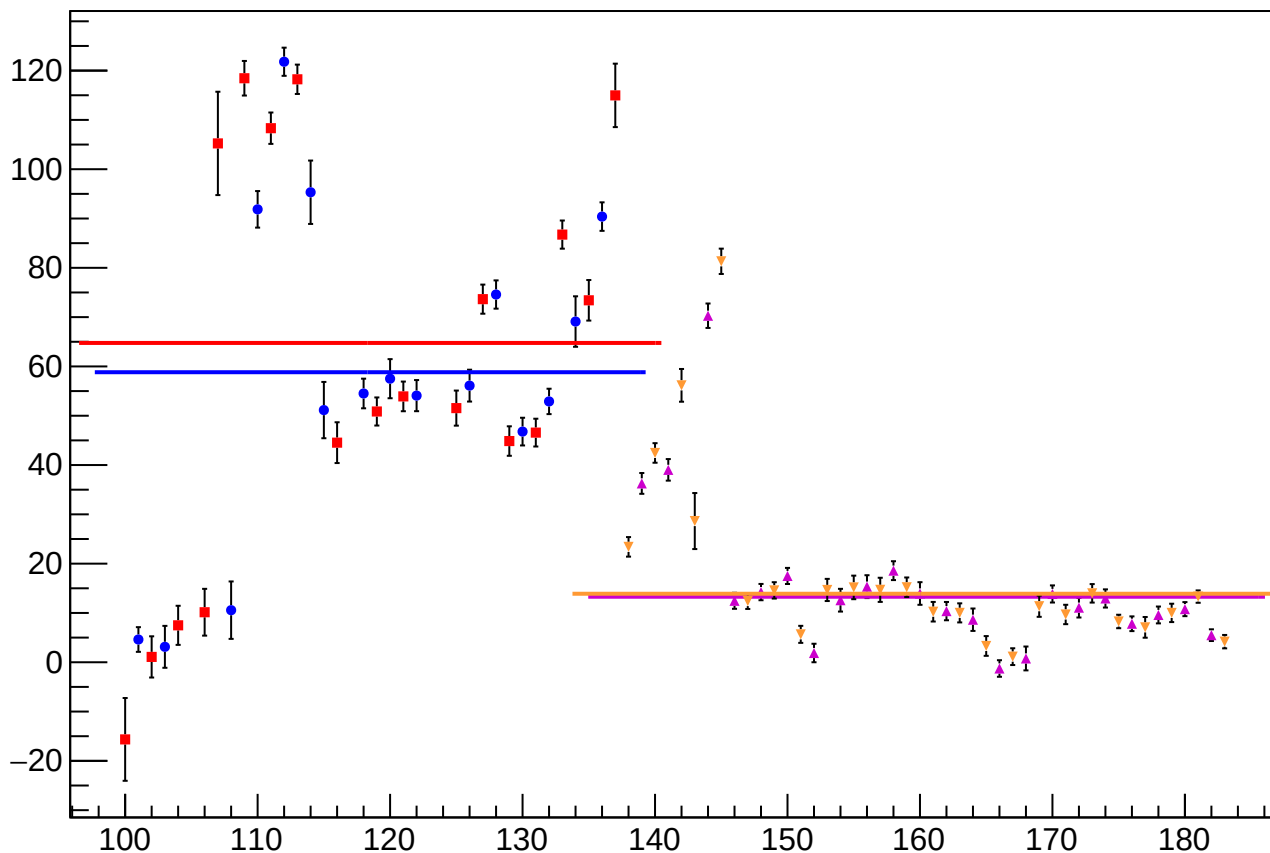
Right: 7.952 ± 0.314 $\chi^2/\text{NDF}: 797.5/33$

In: 4.489 ± 0.249 $\chi^2/\text{NDF}: 652.0/37$

Out: 5.013 ± 0.247 $\chi^2/\text{NDF}: 622.0/41$

All: 4.753 ± 0.175 $\chi^2/\text{NDF}: 1276.3/79$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.825 $\pm$ 0.839 χ^2 /NDF: 1491.4/15

Left Out: 13.895 $\pm$ 0.385 χ^2 /NDF:1293.2/23

Right Out: 64.764 $\pm$ 0.842 χ^2 /NDF: 1718.6/17

Left In: 13.290 $\pm$ 0.386 χ^2 /NDF:1013.1/21

Left: 13.594 $\pm$ 0.272 χ^2 /NDF: 2307.6/45

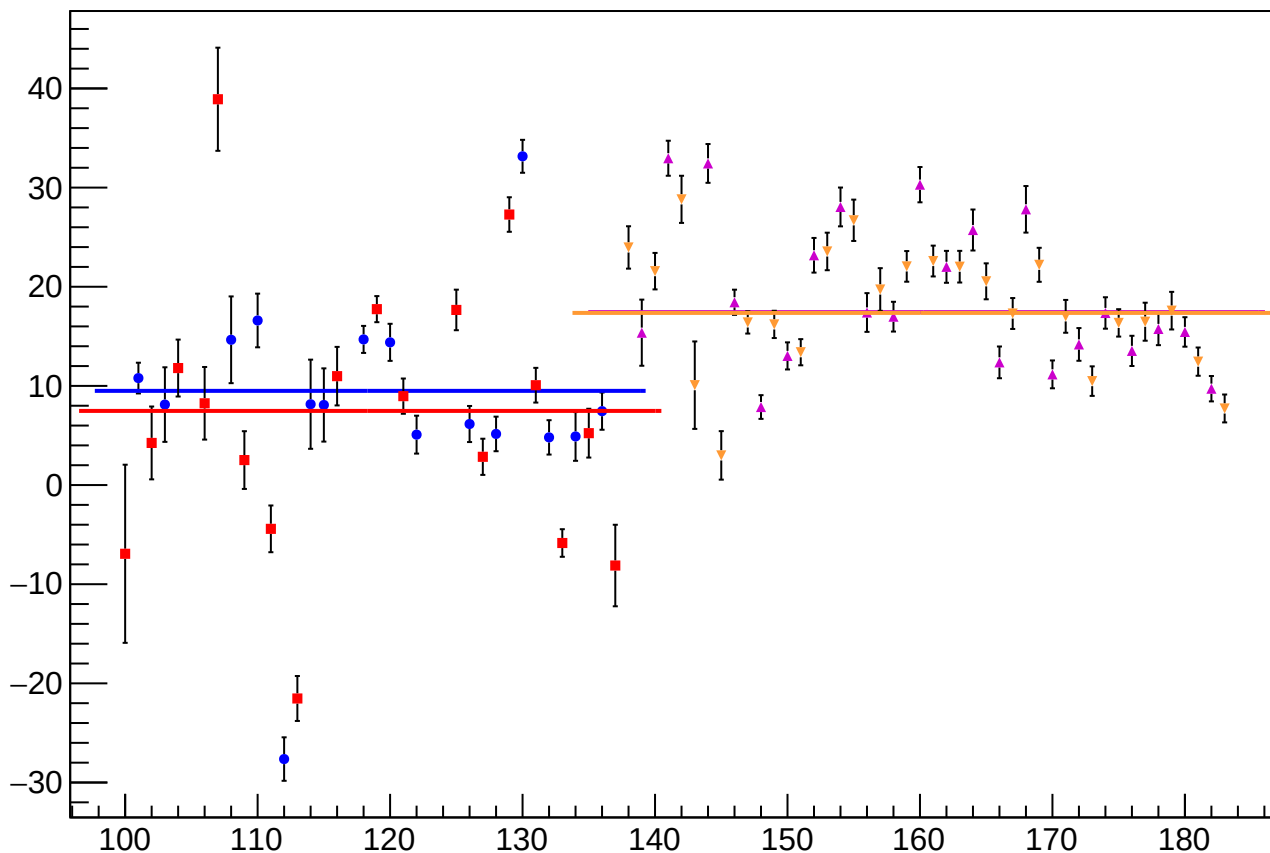
Right: 61.783 $\pm$ 0.594 χ^2 /NDF: 3234.9/33

In: 21.247 $\pm$ 0.351 χ^2 /NDF:4937.9/37

Out: 22.677 $\pm$ 0.350 χ^2 /NDF:6033.1/41

All: 21.964 $\pm$ 0.248 χ^2 /NDF: 10979.3/79

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.499 ± 0.508 $\chi^2/\text{NDF}: 547.2/15$

Left Out: 17.362 ± 0.339 $\chi^2/\text{NDF}: 238.8/23$

Right Out: 7.477 ± 0.516 $\chi^2/\text{NDF}: 566.9/17$

Left In: 17.443 ± 0.344 $\chi^2/\text{NDF}: 427.3/21$

Left: 17.402 ± 0.241 $\chi^2/\text{NDF}: 666.1/45$

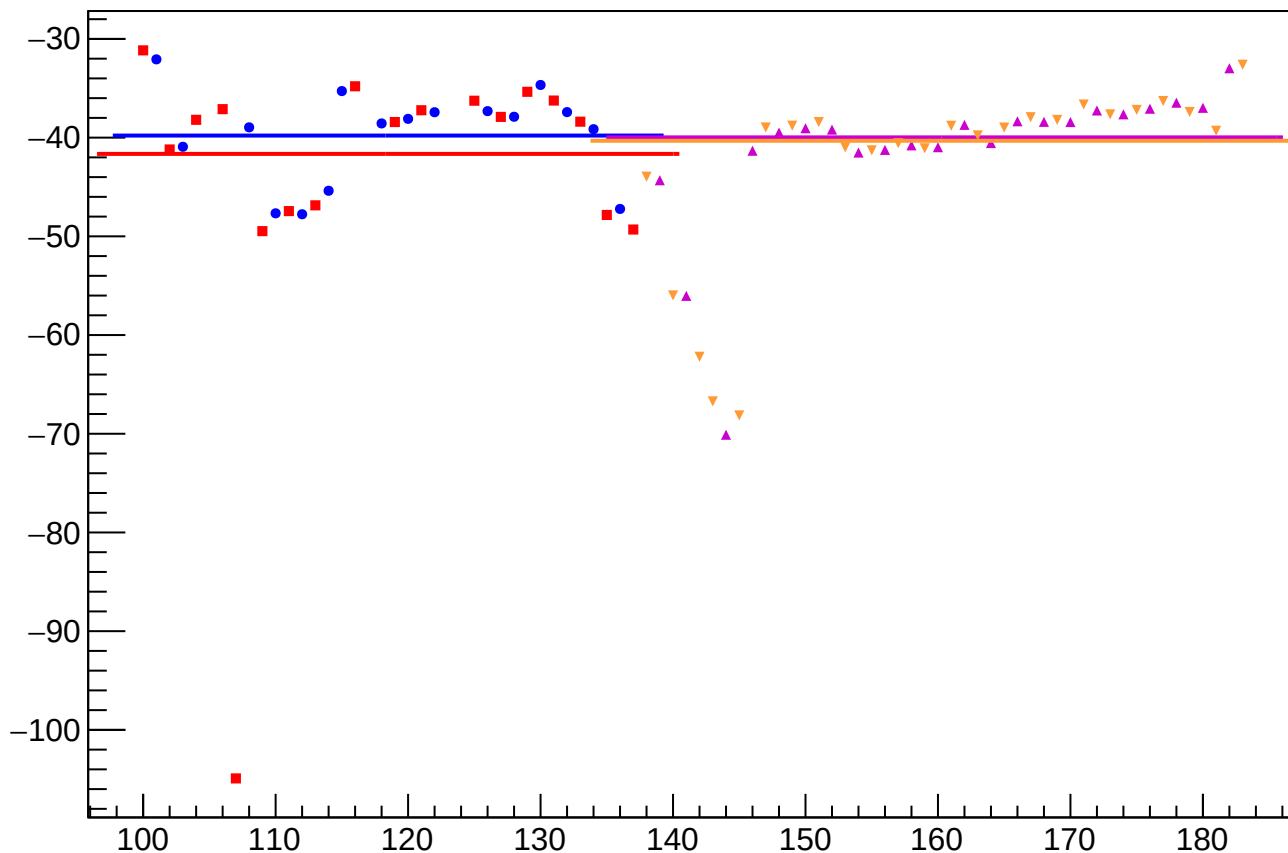
Right: 8.505 ± 0.362 $\chi^2/\text{NDF}: 1121.9/33$

In: 14.947 ± 0.285 $\chi^2/\text{NDF}: 1142.4/37$

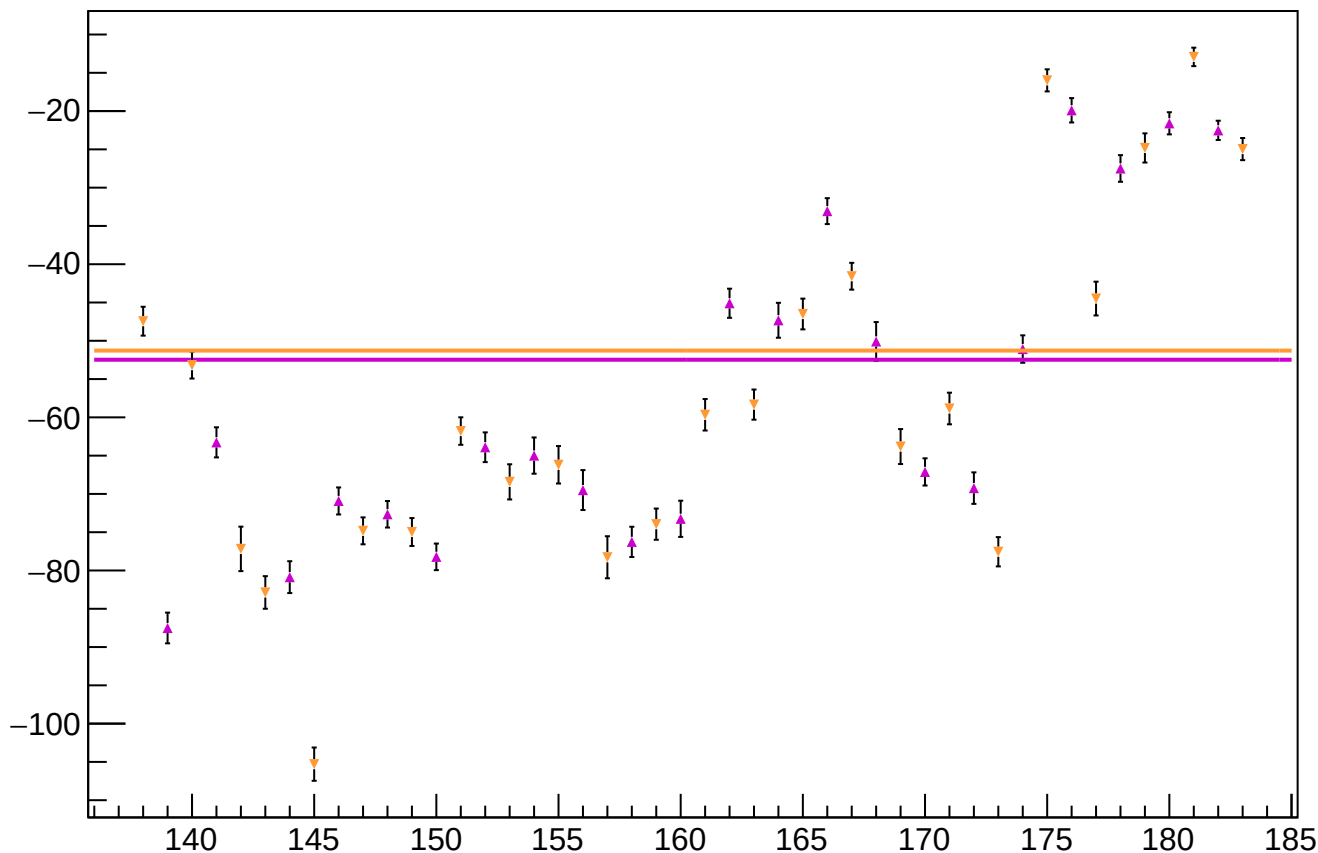
Out: 14.380 ± 0.283 $\chi^2/\text{NDF}: 1062.1/41$

All: 14.662 ± 0.201 $\chi^2/\text{NDF}: 2206.4/79$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected

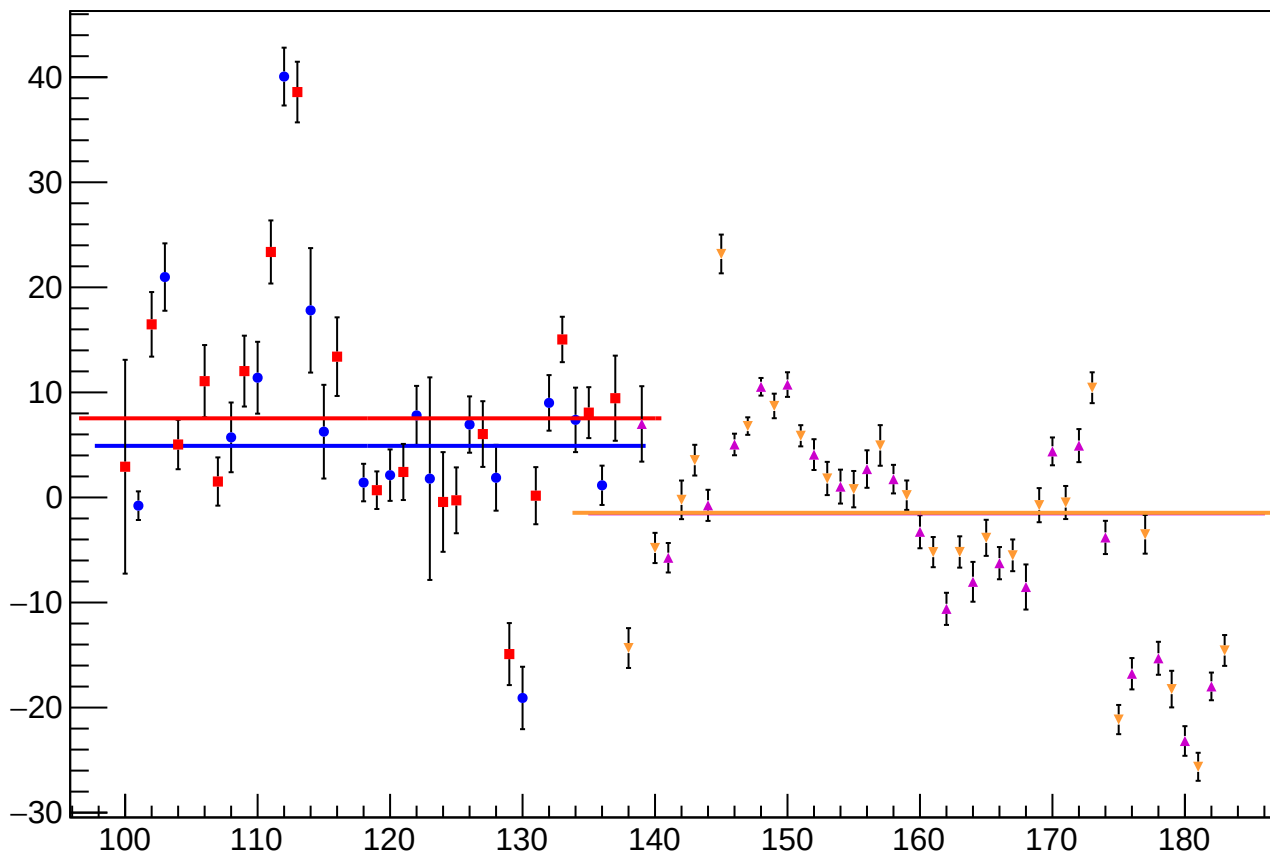


Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -51.280 ± 0.386 χ^2/NDF : 4059.5/23
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -52.474 ± 0.395 χ^2/NDF : 3250.5/21

Left: -51.864 ± 0.276 χ^2/NDF : 7314.7/45
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -52.474 ± 0.395 χ^2/NDF : 3250.5/21
 Out: -51.280 ± 0.386 χ^2/NDF : 4059.5/23

All: -51.864 ± 0.276 χ^2/NDF : 7314.7/45

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.912 ± 0.629 χ^2/NDF : 294.3/16

Left Out: -1.460 ± 0.294 χ^2/NDF : 1278.3/23

Right Out: 7.532 ± 0.651 χ^2/NDF : 270.5/18

Left In: -1.512 ± 0.303 χ^2/NDF : 1080.8/21

Left: -1.485 ± 0.211 χ^2/NDF : 2359.1/45

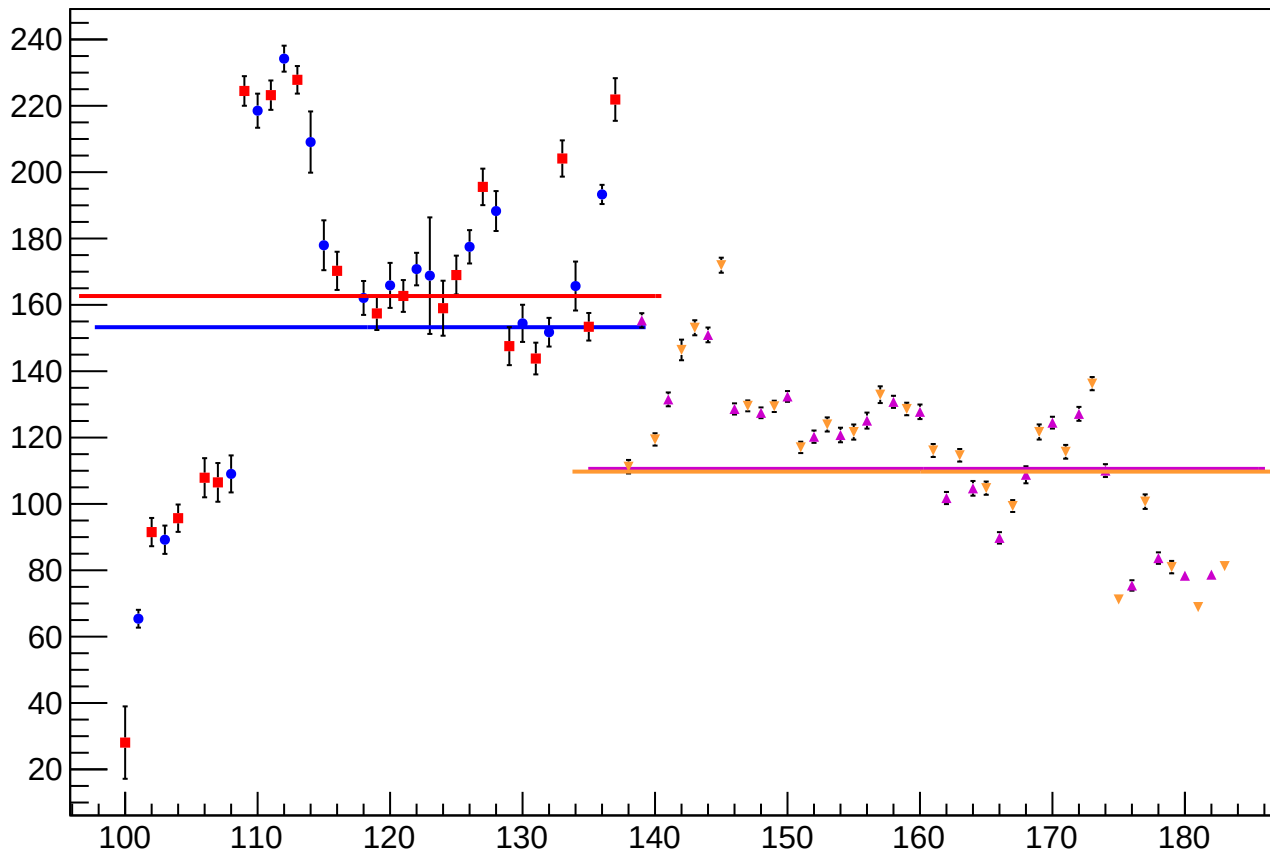
Right: 6.176 ± 0.452 χ^2/NDF : 573.3/35

In: -0.301 ± 0.273 χ^2/NDF : 1459.8/38

Out: 0.058 ± 0.268 χ^2/NDF : 1707.3/42

All: -0.118 ± 0.191 χ^2/NDF : 3168.0/81

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.268 $\pm$ 1.152 χ^2 /NDF: 2266.2/16

Left Out: 109.744 $\pm$ 0.385 χ^2 /NDF:4493.4/23

Right Out: 162.664 $\pm$ 1.179 χ^2 /NDF: 1708.8/18

Left In: 110.563 $\pm$ 0.391 χ^2 /NDF:3665.0/21

Left: 110.147 $\pm$ 0.274 χ^2 /NDF: 8160.6/45

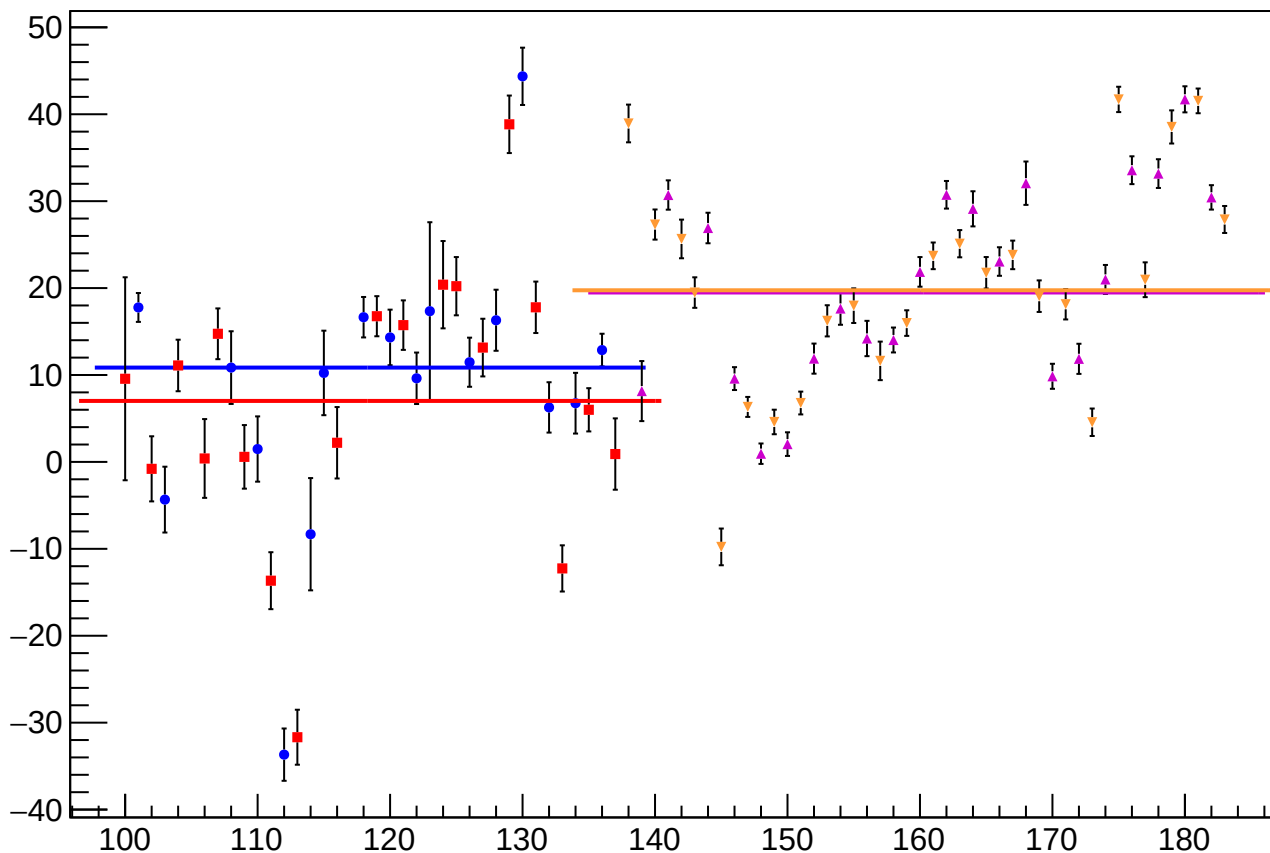
Right: 157.859 $\pm$ 0.824 χ^2 /NDF: 4007.5/35

In: 114.980 $\pm$ 0.370 χ^2 /NDF:7163.5/38

Out: 114.844 $\pm$ 0.366 χ^2 /NDF:8024.2/42

All: 114.911 $\pm$ 0.260 χ^2 /NDF: 15187.7/81

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.853 $\pm$ 0.721 χ^2 /NDF: 386.3/16

Left Out: 19.746 $\pm$ 0.337 χ^2 /NDF:1378.8/23

Right Out: 7.016 $\pm$ 0.749 χ^2 /NDF: 423.3/18

Left In: 19.493 $\pm$ 0.346 χ^2 /NDF:1180.7/21

Left: 19.623 $\pm$ 0.241 χ^2 /NDF: 2559.8/45

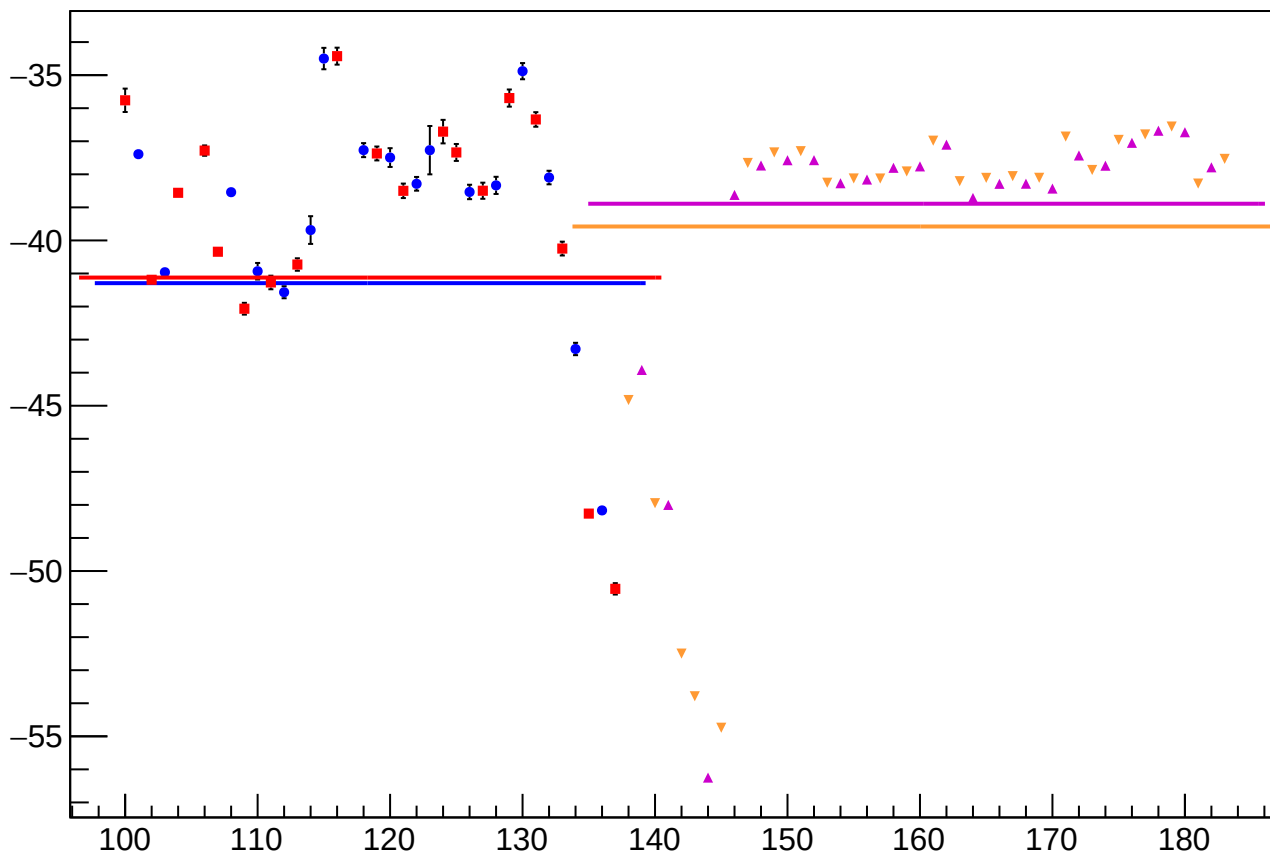
Right: 9.008 $\pm$ 0.519 χ^2 /NDF: 823.3/35

In: 17.874 $\pm$ 0.312 χ^2 /NDF:1683.9/38

Out: 17.601 $\pm$ 0.307 χ^2 /NDF:2042.6/42

All: 17.736 $\pm$ 0.219 χ^2 /NDF: 3726.8/81

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.292 $\pm$ 0.039 χ^2/NDF : 12502.4/16

Left Out: -39.578 $\pm$ 0.016 χ^2/NDF : 91755.6/23

Right Out: -41.123 $\pm$ 0.039 χ^2/NDF : 12115.0/18

Left In: -38.890 $\pm$ 0.016 χ^2/NDF : 53392.8/21

Left: -39.238 $\pm$ 0.011 χ^2/NDF : 146077.7/45

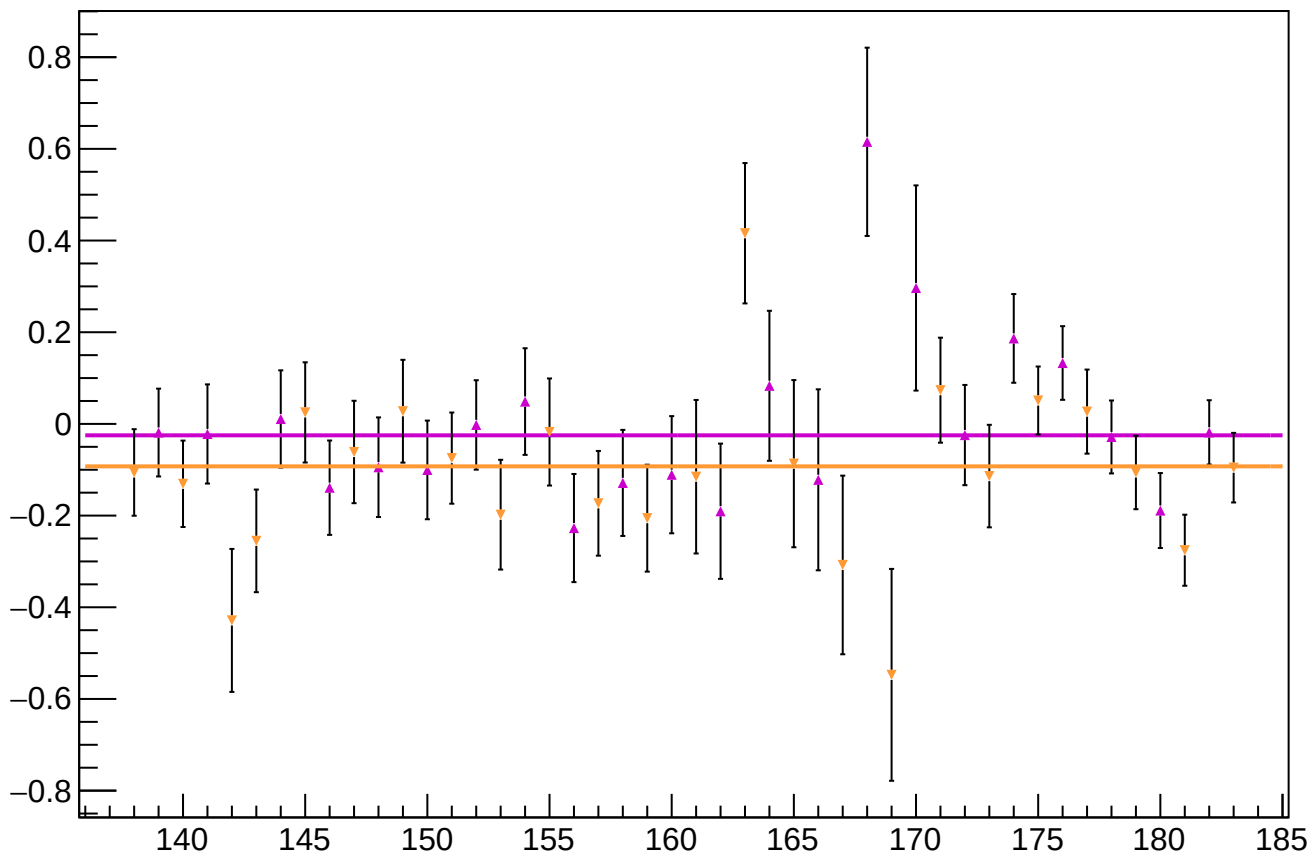
Right: -41.208 $\pm$ 0.027 χ^2/NDF : 24627.0/35

In: -39.244 $\pm$ 0.015 χ^2/NDF : 69191.8/38

Out: -39.801 $\pm$ 0.015 χ^2/NDF : 105234.4/42

All: -39.525 $\pm$ 0.010 χ^2/NDF : 175140.3/81

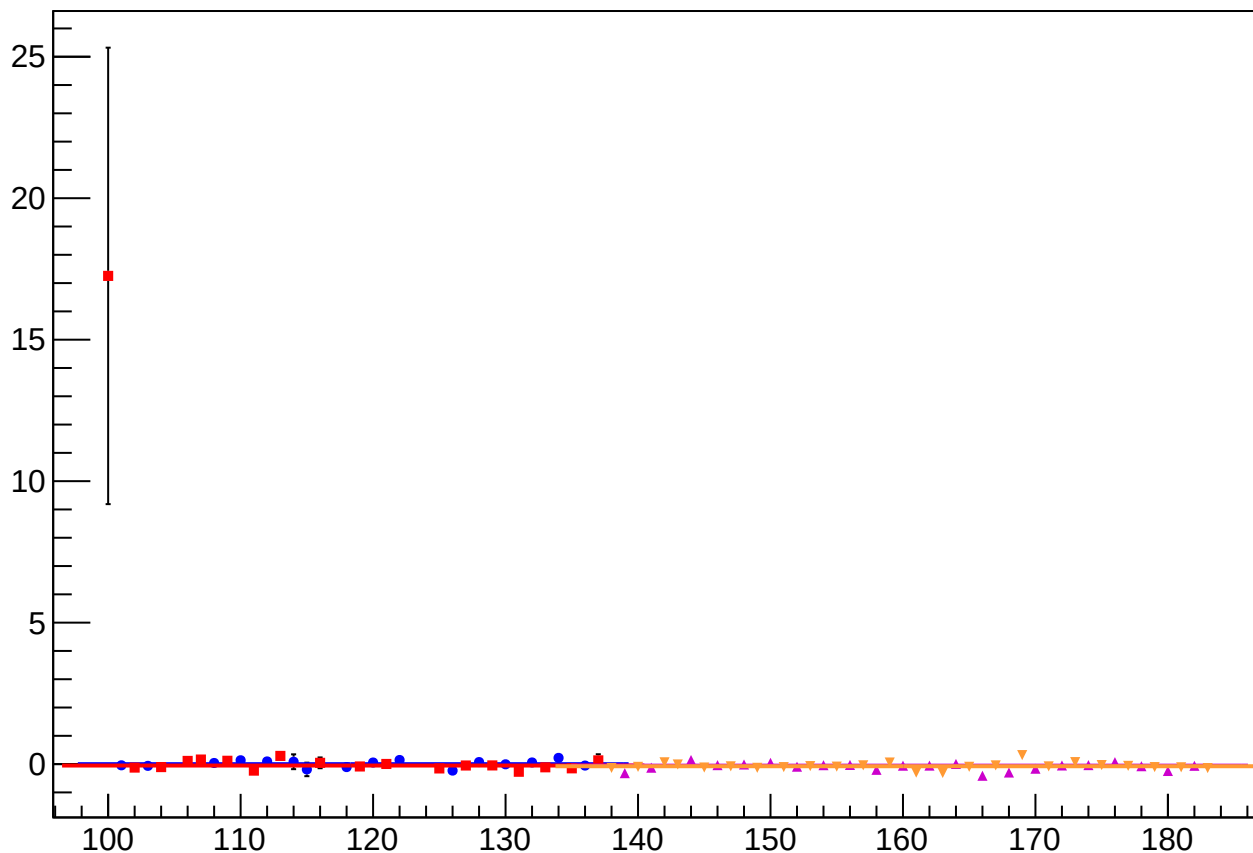
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.093 $\pm$ 0.022 χ^2 /NDF:41.3/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.025 $\pm$ 0.023 χ^2 /NDF:33.3/21

Left: -0.060 $\pm$ 0.016 χ^2 /NDF: 79.2/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.025 $\pm$ 0.023 χ^2 /NDF:33.3/21
 Out: -0.093 $\pm$ 0.022 χ^2 /NDF:41.3/23
 All: -0.060 $\pm$ 0.016 χ^2 /NDF: 79.2/45

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.002 ± 0.029 χ^2/NDF : 12.7/15

Left Out: -0.075 ± 0.017 χ^2/NDF : 24.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.5/17

Left In: -0.054 ± 0.018 χ^2/NDF : 31.3/21

Left: -0.065 ± 0.012 χ^2/NDF : 56.8/45

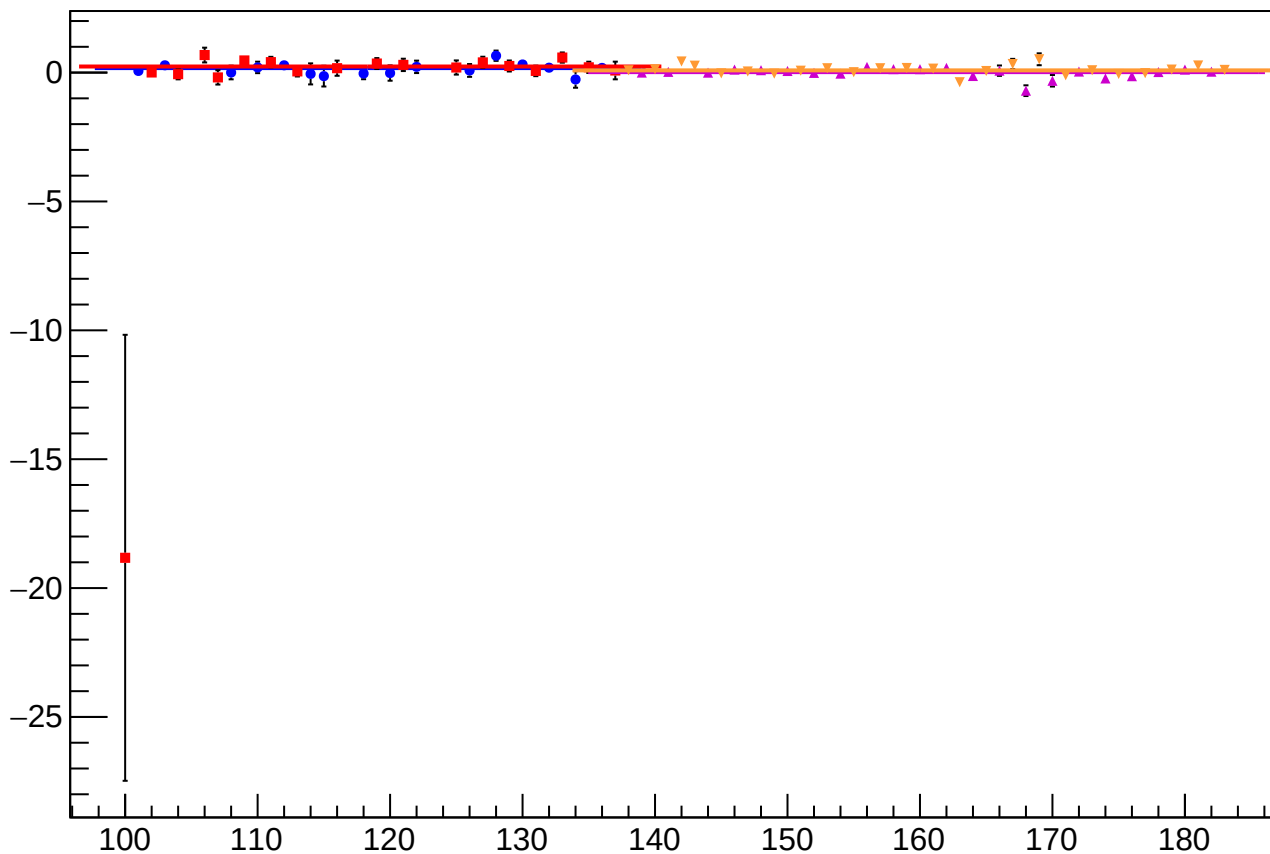
Right: -0.025 ± 0.020 χ^2/NDF : 39.6/33

In: -0.039 ± 0.015 χ^2/NDF : 46.3/37

Out: -0.069 ± 0.015 χ^2/NDF : 50.8/41

All: -0.054 ± 0.011 χ^2/NDF : 99.1/79

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.174 $\pm$ 0.053 χ^2 /NDF: 12.4/15

Left Out: 0.085 $\pm$ 0.022 χ^2 /NDF:40.2/23

Right Out: 0.236 $\pm$ 0.054 χ^2 /NDF: 21.5/17

Left In: 0.018 $\pm$ 0.023 χ^2 /NDF:35.2/21

Left: 0.053 $\pm$ 0.016 χ^2 /NDF: 80.1/45

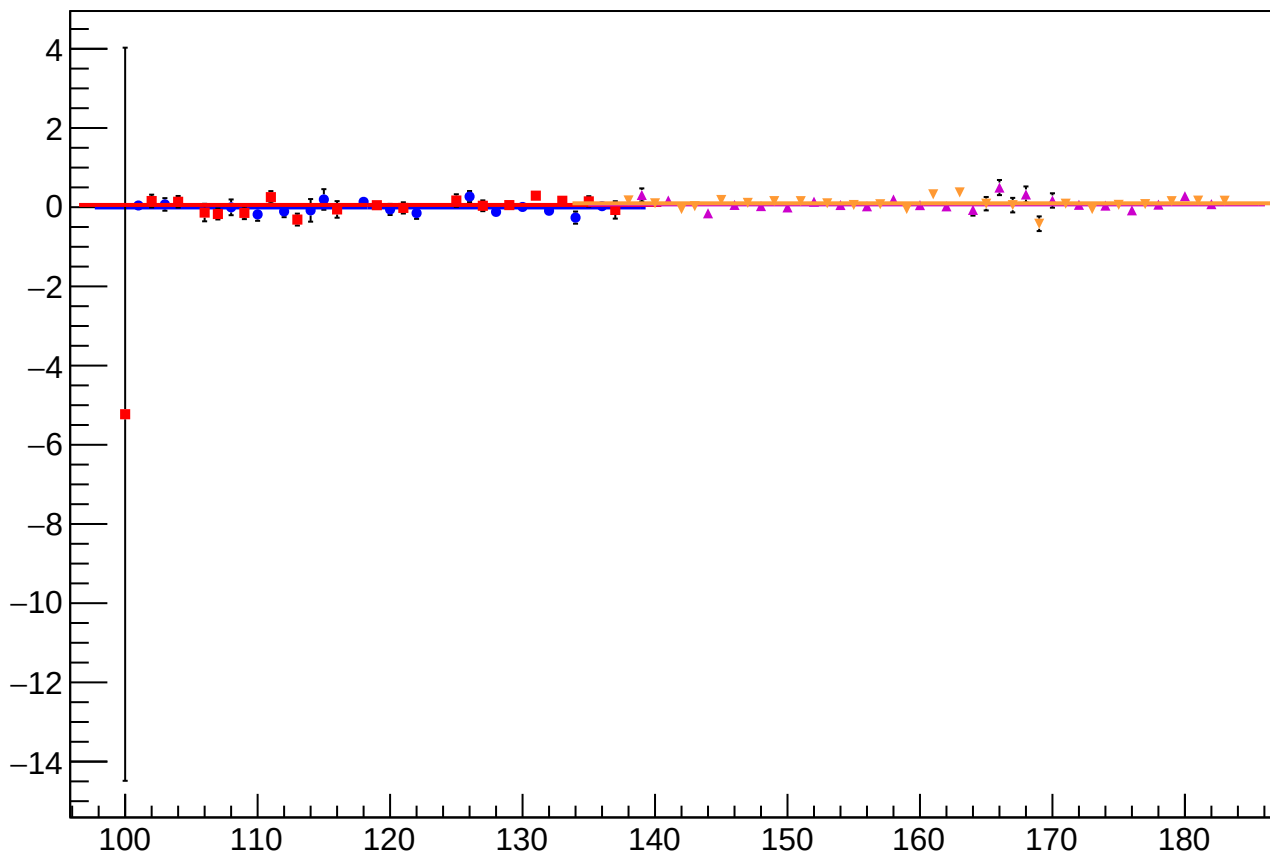
Right: 0.204 $\pm$ 0.038 χ^2 /NDF: 34.6/33

In: 0.042 $\pm$ 0.021 χ^2 /NDF:55.1/37

Out: 0.107 $\pm$ 0.020 χ^2 /NDF:68.4/41

All: 0.075 $\pm$ 0.014 χ^2 /NDF: 128.4/79

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.033 χ^2/NDF : 14.1/15

Left Out: 0.098 ± 0.019 χ^2/NDF : 27.8/23

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.071 ± 0.020 χ^2/NDF : 31.1/21

Left: 0.085 ± 0.014 χ^2/NDF : 59.9/45

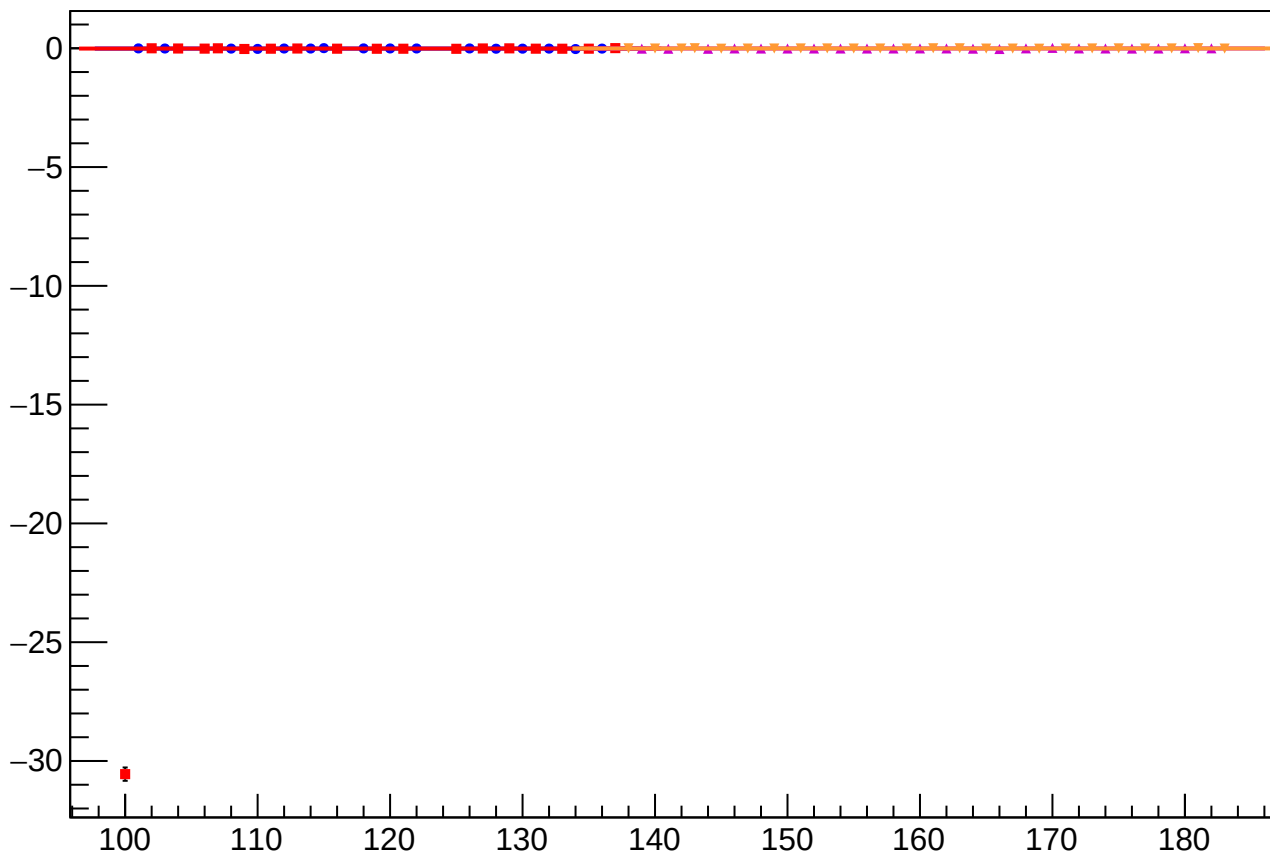
Right: 0.024 ± 0.024 χ^2/NDF : 36.2/33

In: 0.050 ± 0.017 χ^2/NDF : 49.1/37

Out: 0.088 ± 0.017 χ^2/NDF : 49.3/41

All: 0.069 ± 0.012 χ^2/NDF : 100.9/79

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.007 $\pm$ 0.001 χ^2 /NDF:30.8/23

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11890.8/17

Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:40.8/21

Left: -0.008 $\pm$ 0.001 χ^2 /NDF: 72.7/45

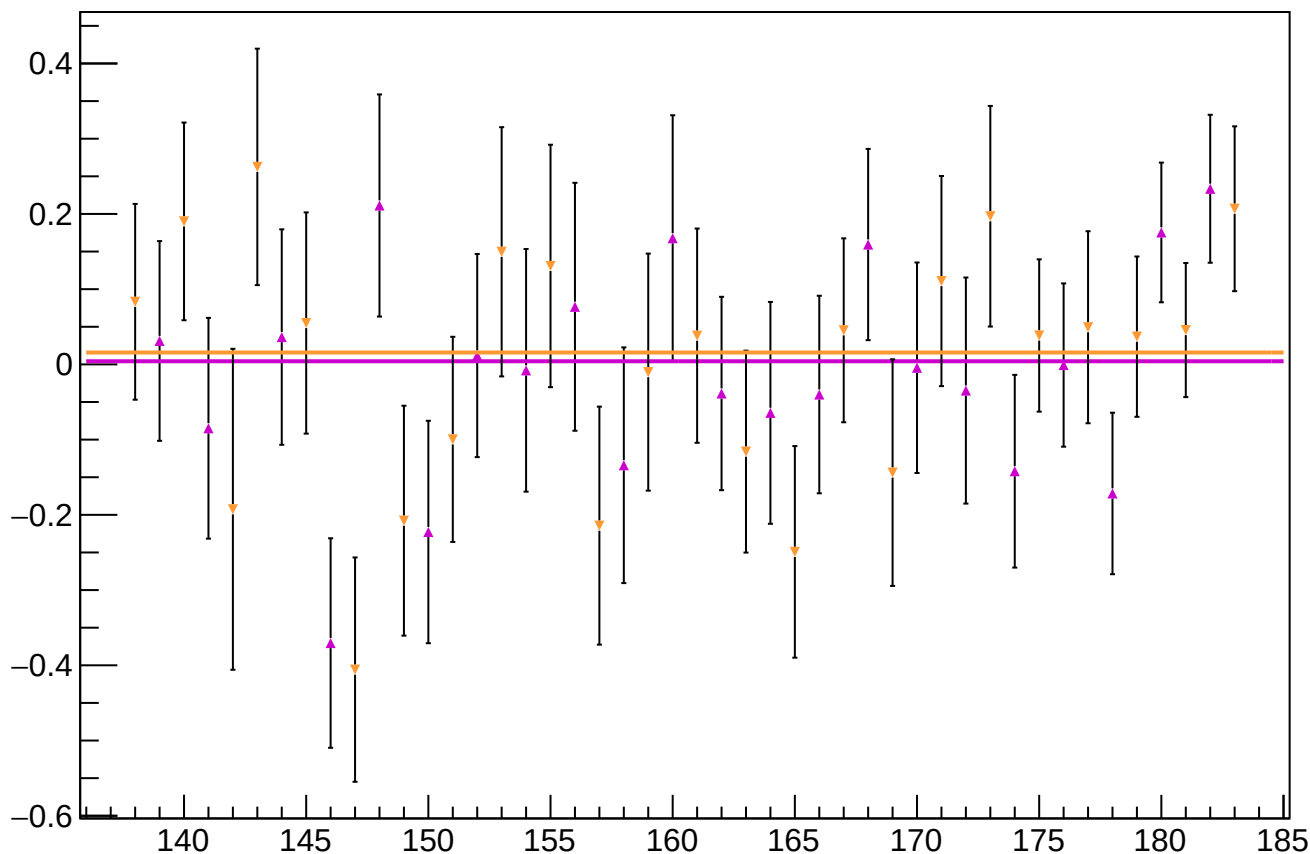
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11903.5/33

In: -0.009 $\pm$ 0.001 χ^2 /NDF:56.0/37

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:11927.0/41

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 11983.9/79

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.016 $\pm$ 0.027 χ^2 /NDF:30.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.004 $\pm$ 0.028 χ^2 /NDF:28.8/21

Left: 0.010 $\pm$ 0.020 χ^2 /NDF: 59.6/45

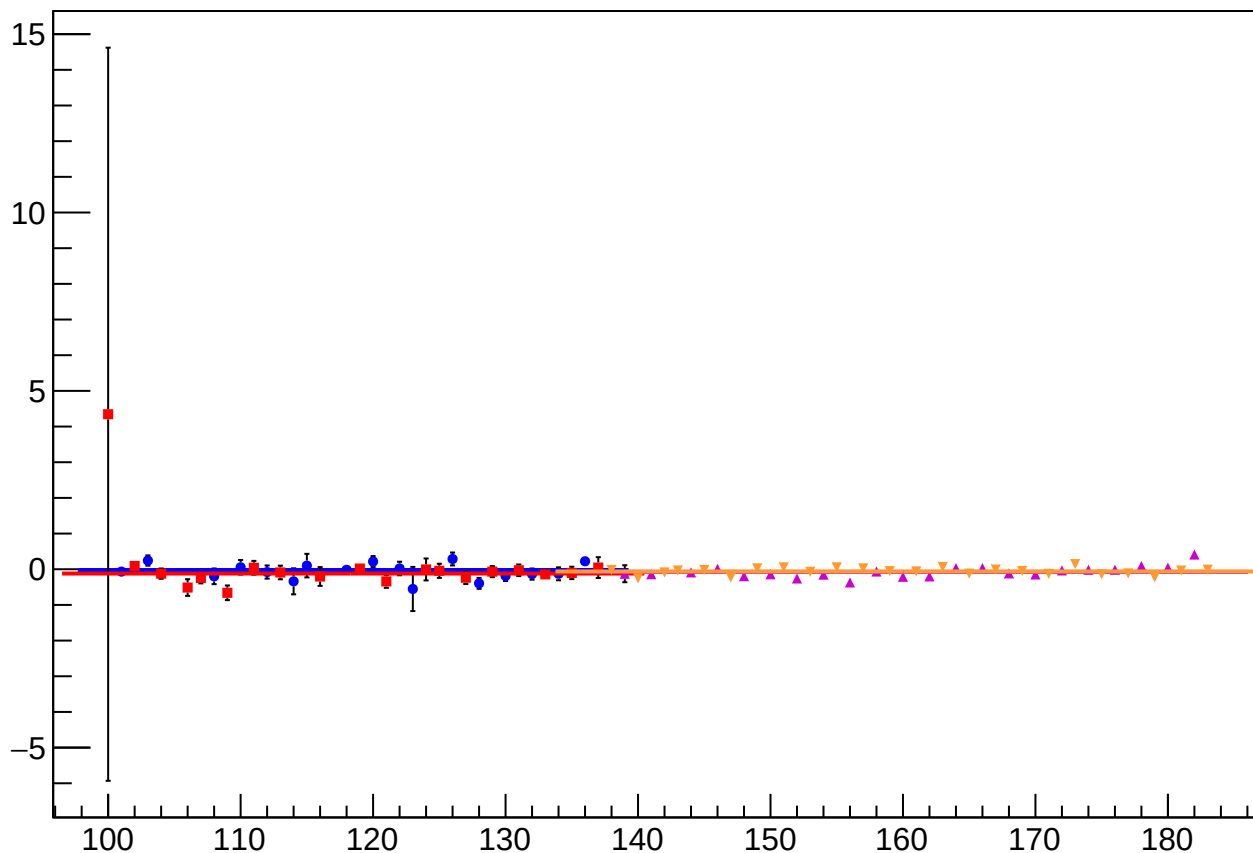
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.004 $\pm$ 0.028 χ^2 /NDF:28.8/21

Out: 0.016 $\pm$ 0.027 χ^2 /NDF:30.7/23

All: 0.010 $\pm$ 0.020 χ^2 /NDF: 59.6/45

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.037 χ^2/NDF : 22.9/16

Left Out: -0.062 $\pm$ 0.021 χ^2/NDF : 23.5/23

Right Out: -0.120 $\pm$ 0.039 χ^2/NDF : 18.5/18

Left In: -0.074 $\pm$ 0.022 χ^2/NDF : 48.0/21

Left: -0.068 $\pm$ 0.015 χ^2/NDF : 71.6/45

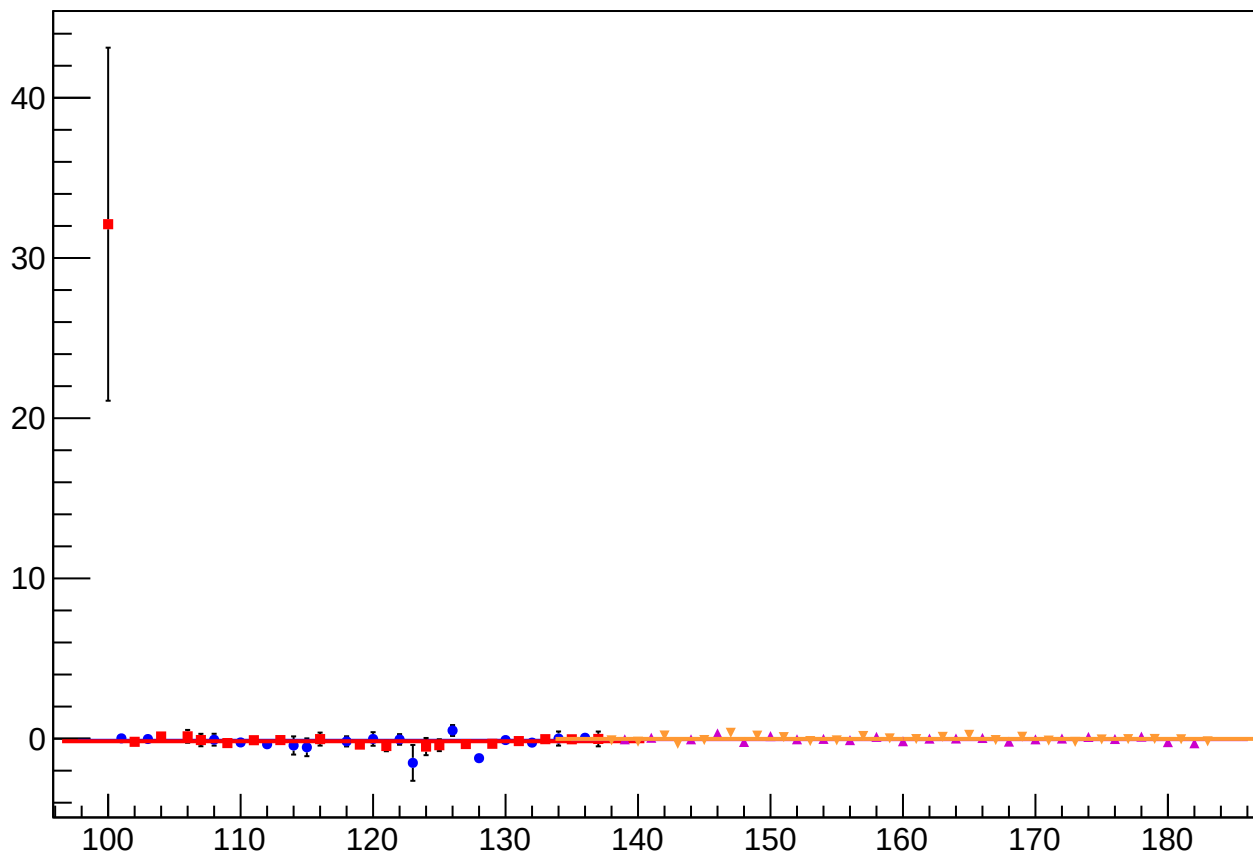
Right: -0.068 $\pm$ 0.027 χ^2/NDF : 44.7/35

In: -0.060 $\pm$ 0.019 χ^2/NDF : 72.4/38

Out: -0.075 $\pm$ 0.019 χ^2/NDF : 43.7/42

All: -0.068 $\pm$ 0.013 χ^2/NDF : 116.4/81

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.135 ± 0.067 χ^2/NDF : 24.7/16

Left Out: -0.017 ± 0.027 χ^2/NDF : 28.9/23

Right Out: -0.164 ± 0.071 χ^2/NDF : 14.4/18

Left In: -0.034 ± 0.028 χ^2/NDF : 28.3/21

Left: -0.025 ± 0.019 χ^2/NDF : 57.4/45

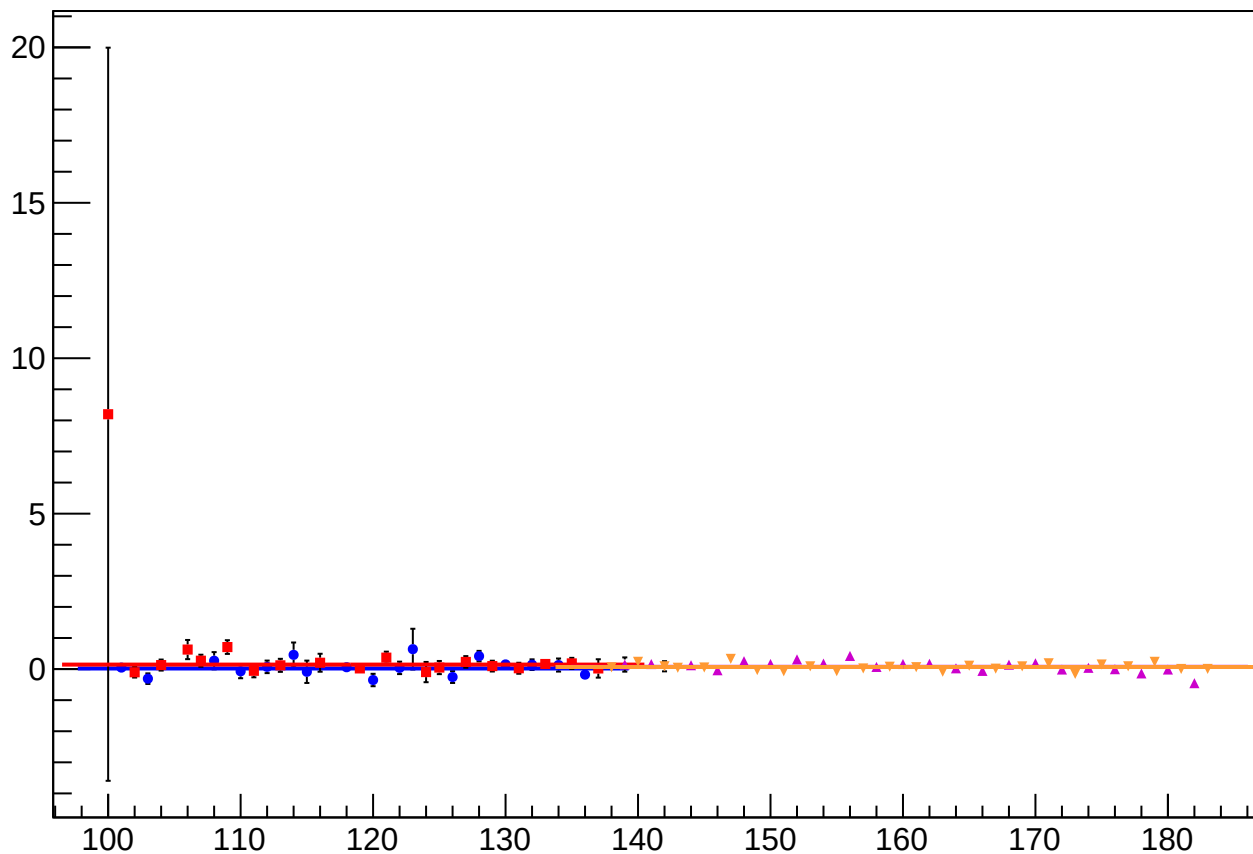
Right: -0.149 ± 0.049 χ^2/NDF : 39.2/35

In: -0.049 ± 0.026 χ^2/NDF : 55.0/38

Out: -0.036 ± 0.025 χ^2/NDF : 47.0/42

All: -0.042 ± 0.018 χ^2/NDF : 102.1/81

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.019+/-0.043 χ^2/NDF : 21.6/16

Left Out: 0.067+/-0.024 χ^2/NDF : 23.1/23

Right Out: 0.144+/-0.045 χ^2/NDF : 16.8/18

Left In: 0.073+/-0.025 χ^2/NDF : 50.4/21

Left: 0.069+/-0.017 χ^2/NDF : 73.6/45

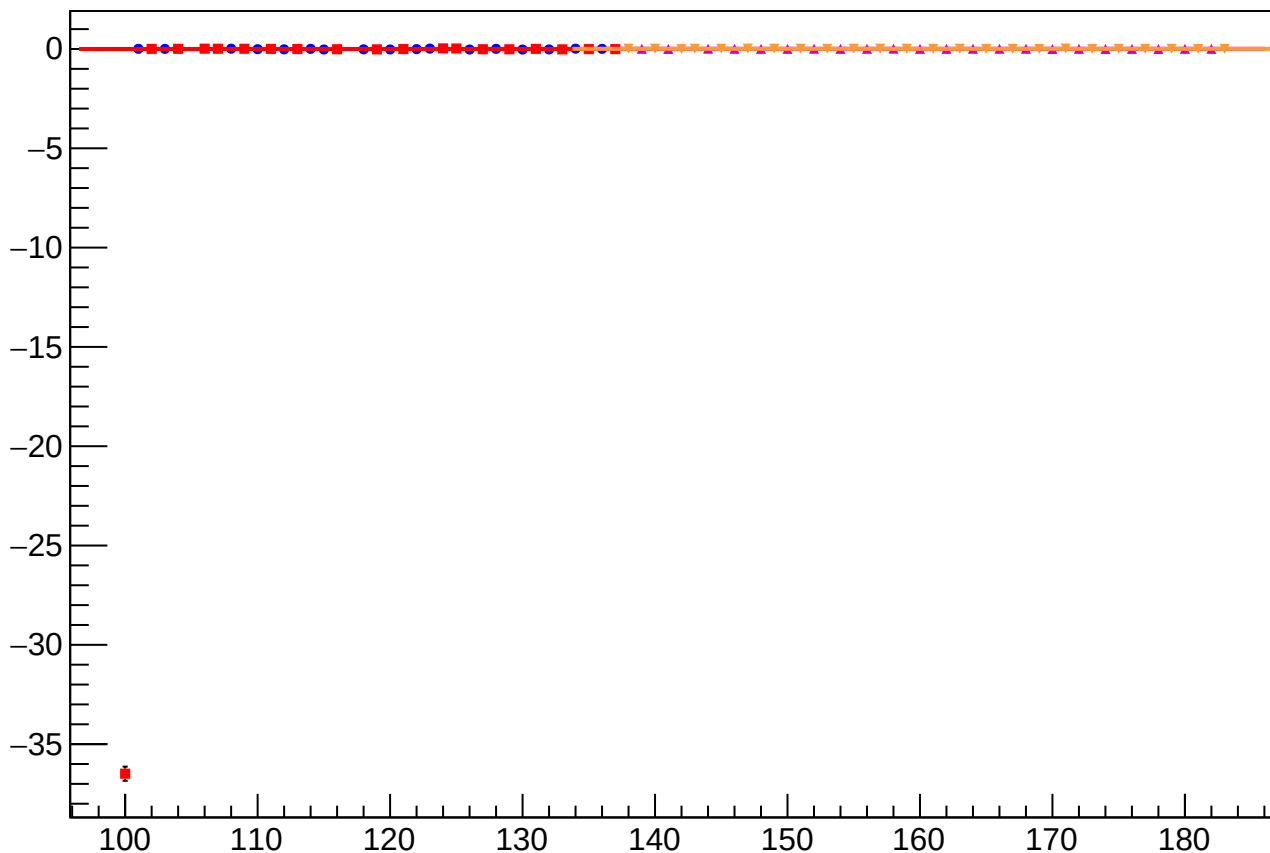
Right: 0.077+/-0.031 χ^2/NDF : 42.5/35

In: 0.059+/-0.022 χ^2/NDF : 73.2/38

Out: 0.084+/-0.021 χ^2/NDF : 42.2/42

All: 0.071+/-0.015 χ^2/NDF : 116.1/81

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.5/16

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF:26.0/23

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.2/18

Left In: 0.009 $\pm$ 0.001 χ^2 /NDF:14.4/21

Left: 0.009 $\pm$ 0.001 χ^2 /NDF: 40.7/45

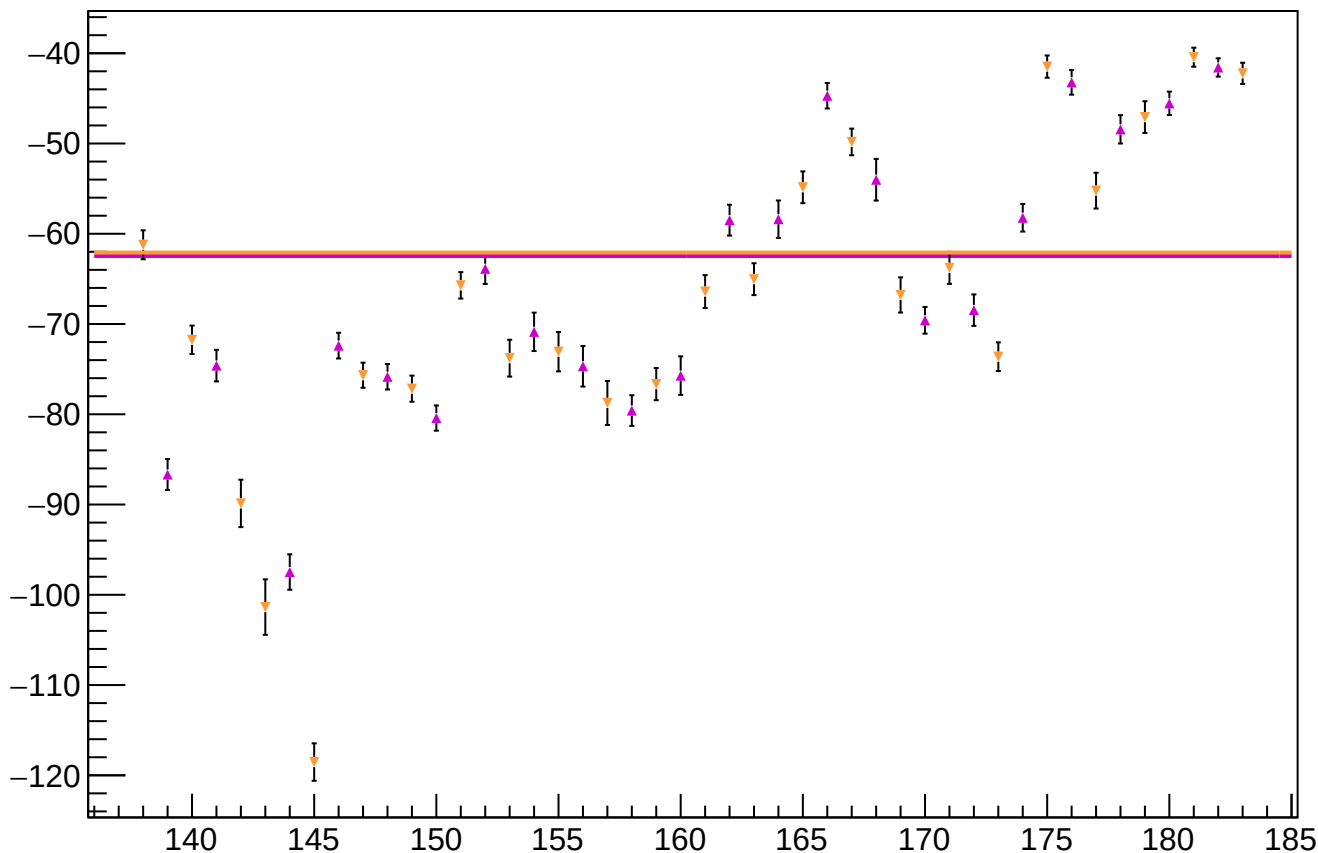
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.007 $\pm$ 0.001 χ^2 /NDF:54.7/38

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10484.0/42

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10538.9/81

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -62.084+/-0.335 χ^2/NDF :2658.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -62.463+/-0.338 χ^2/NDF :2151.5/21

Left: -62.272+/-0.238 χ^2/NDF : 4810.3/45

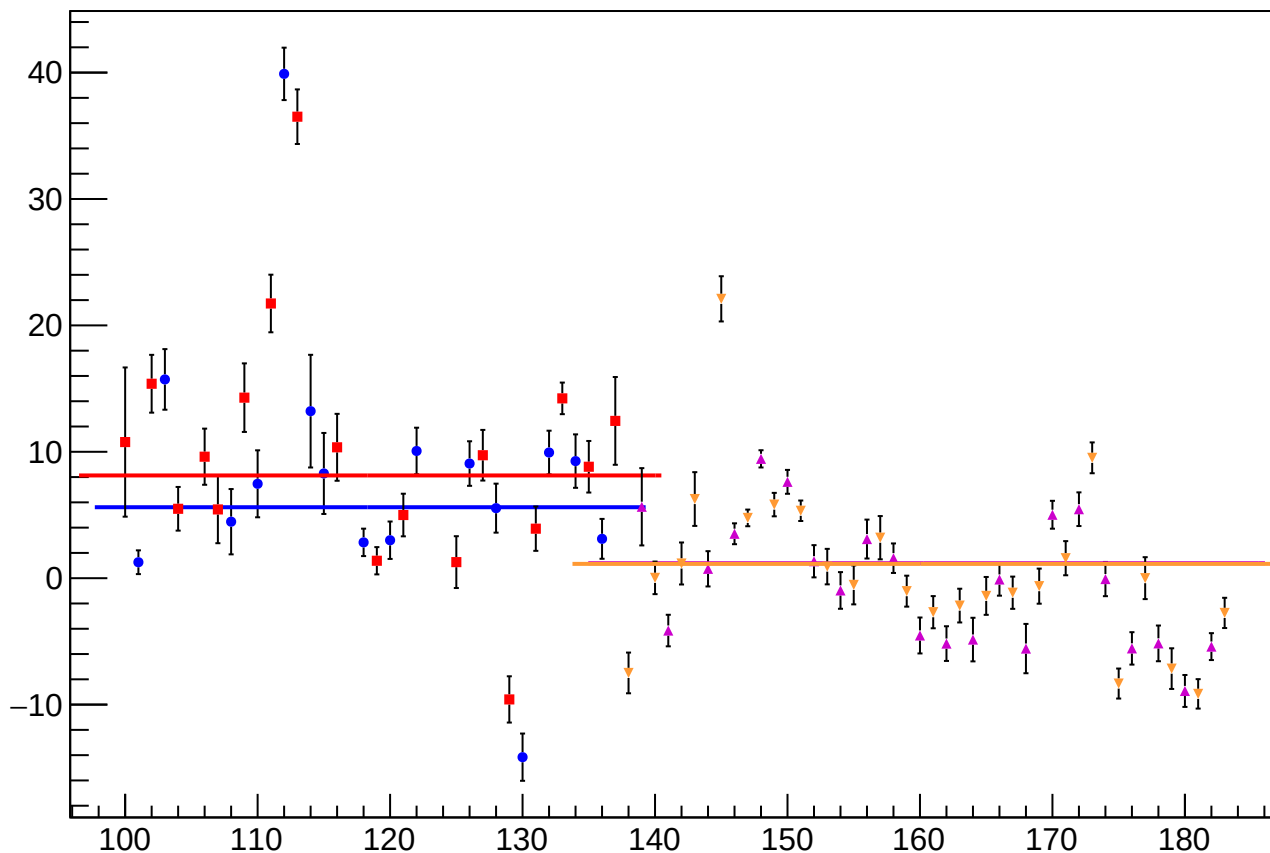
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -62.463+/-0.338 χ^2/NDF :2151.5/21

Out: -62.084+/-0.335 χ^2/NDF :2658.1/23

All: -62.272+/-0.238 χ^2/NDF : 4810.3/45

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.615 ± 0.430 $\chi^2/\text{NDF}: 460.0/15$

Left Out: 1.133 ± 0.253 $\chi^2/\text{NDF}: 510.7/23$

Right Out: 8.129 ± 0.453 $\chi^2/\text{NDF}: 407.7/17$

Left In: 1.187 ± 0.258 $\chi^2/\text{NDF}: 461.7/21$

Left: 1.159 ± 0.180 $\chi^2/\text{NDF}: 972.4/45$

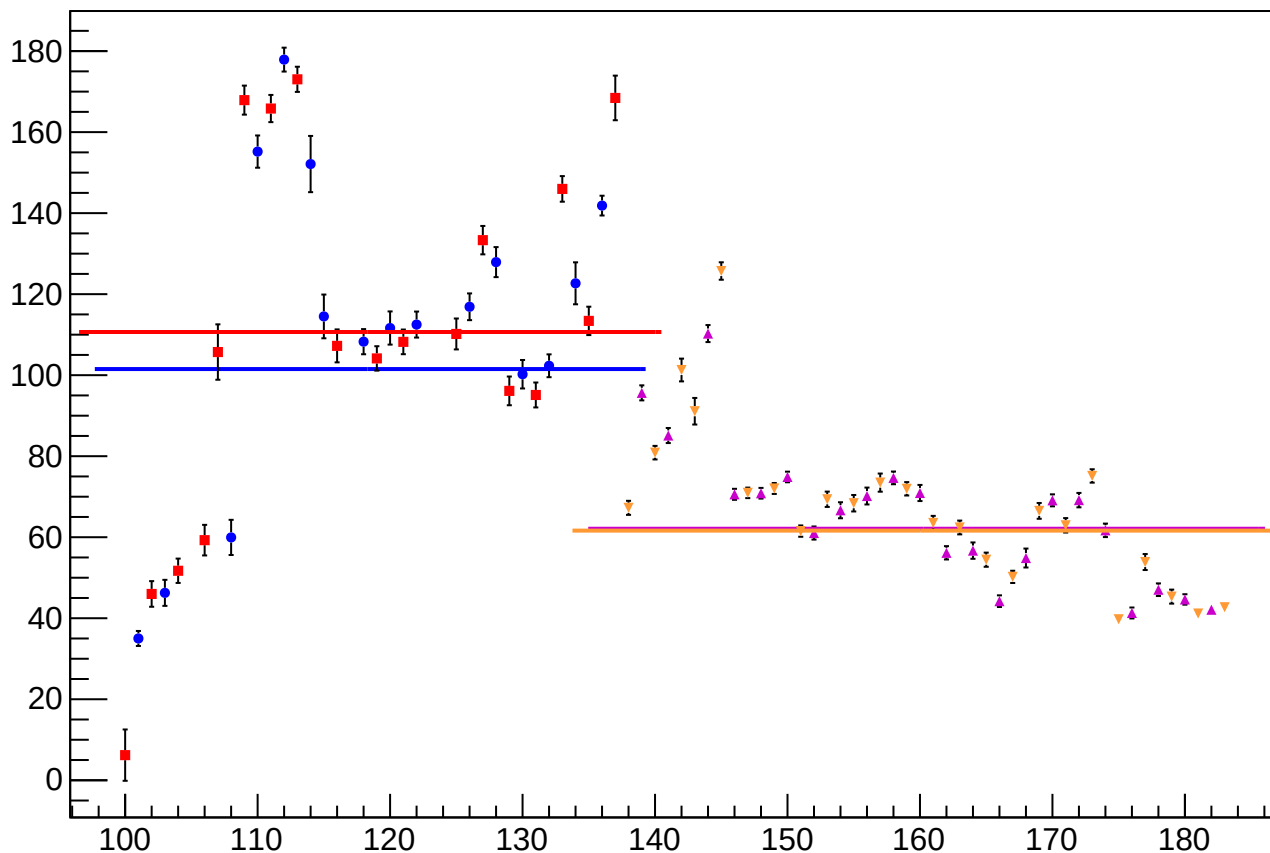
Right: 6.805 ± 0.312 $\chi^2/\text{NDF}: 883.9/33$

In: 2.360 ± 0.221 $\chi^2/\text{NDF}: 999.7/37$

Out: 2.790 ± 0.221 $\chi^2/\text{NDF}: 1100.2/41$

All: 2.575 ± 0.156 $\chi^2/\text{NDF}: 2101.8/79$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.513 $\pm$ 0.813 χ^2 /NDF: 2973.2/15

Left Out: 61.629 $\pm$ 0.333 χ^2 /NDF:2668.7/23

Right Out: 110.660 $\pm$ 0.838 χ^2 /NDF: 2514.2/17

Left In: 62.095 $\pm$ 0.335 χ^2 /NDF:2385.1/21

Left: 61.861 $\pm$ 0.236 χ^2 /NDF: 5054.8/45

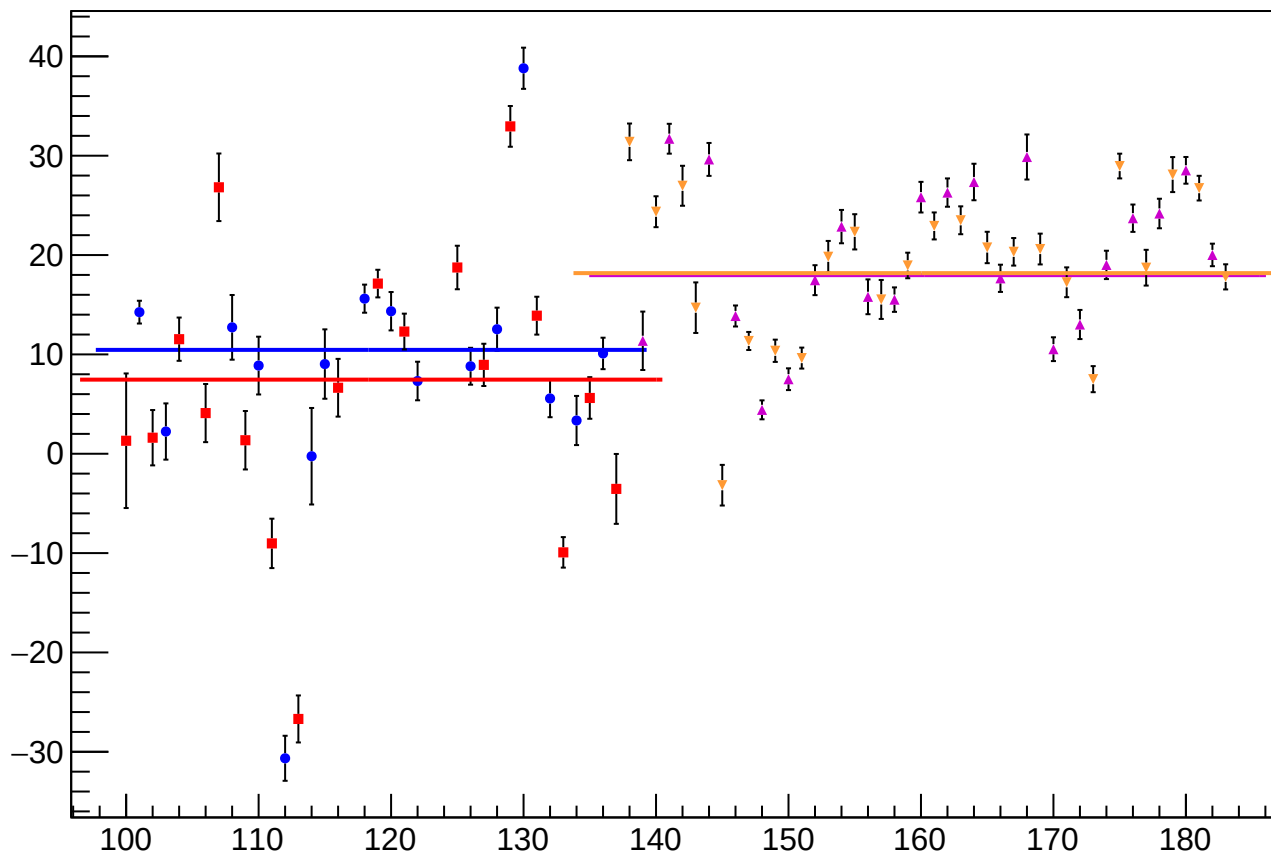
Right: 105.953 $\pm$ 0.584 χ^2 /NDF: 5548.8/33

In: 67.811 $\pm$ 0.310 χ^2 /NDF:7366.2/37

Out: 68.339 $\pm$ 0.310 χ^2 /NDF:8141.3/41

All: 68.075 $\pm$ 0.219 χ^2 /NDF: 15508.9/79

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.455 $\pm$ 0.498 χ^2/NDF : 577.9/15

Left Out: 18.181 $\pm$ 0.291 χ^2/NDF : 631.2/23

Right Out: 7.460 $\pm$ 0.524 χ^2/NDF : 686.5/17

Left In: 17.977 $\pm$ 0.296 χ^2/NDF : 724.6/21

Left: 18.081 $\pm$ 0.208 χ^2/NDF : 1356.0/45

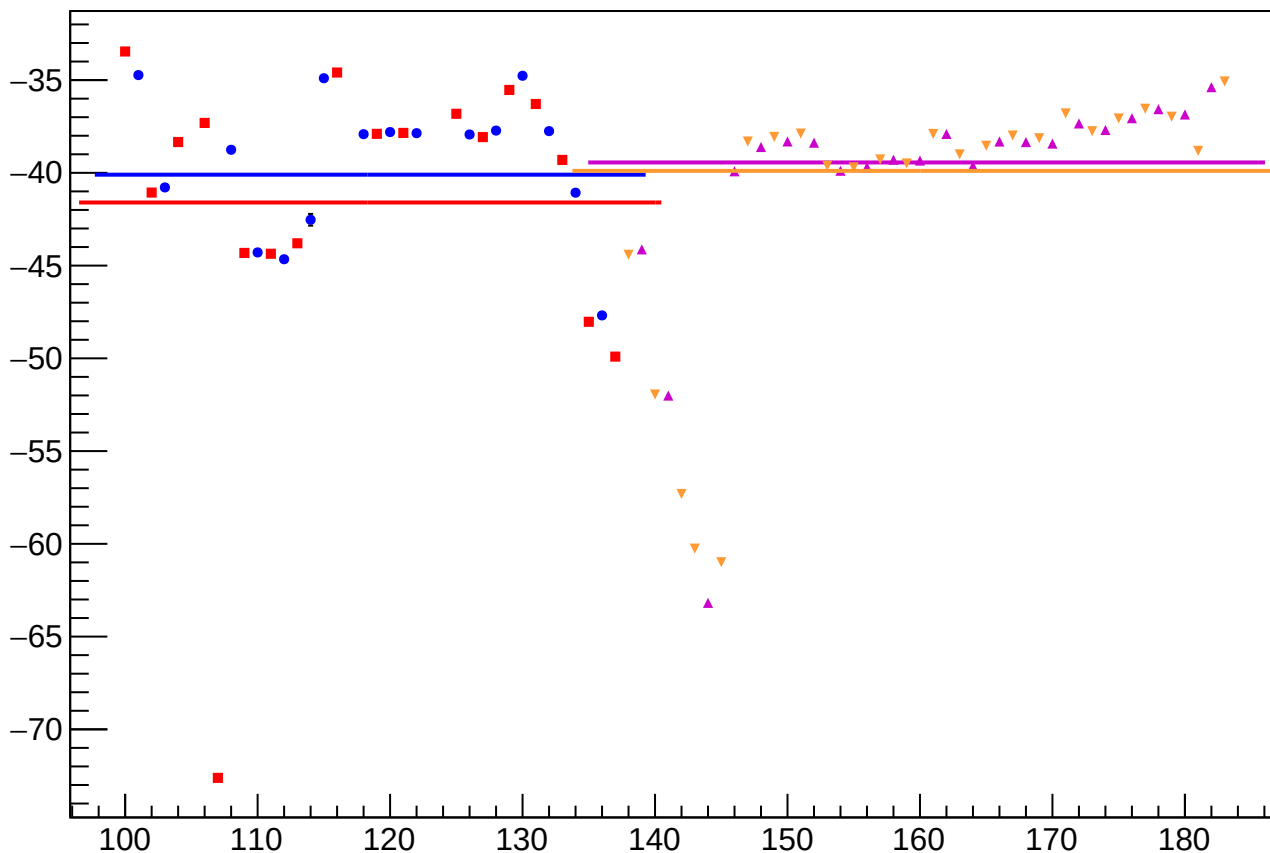
Right: 9.034 $\pm$ 0.361 χ^2/NDF : 1281.6/33

In: 16.017 $\pm$ 0.254 χ^2/NDF : 1471.1/37

Out: 15.652 $\pm$ 0.255 χ^2/NDF : 1637.3/41

All: 15.835 $\pm$ 0.180 χ^2/NDF : 3109.5/79

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.100 ± 0.028 $\chi^2/\text{NDF}: 25059.4/15$

Left Out: -39.894 ± 0.014 $\chi^2/\text{NDF}: 162880.4/23$

Right Out: -41.598 ± 0.029 $\chi^2/\text{NDF}: 61674.8/17$

Left In: -39.440 ± 0.014 $\chi^2/\text{NDF}: 114752.6/21$

Left: -39.666 ± 0.010 $\chi^2/\text{NDF}: 278174.4/45$

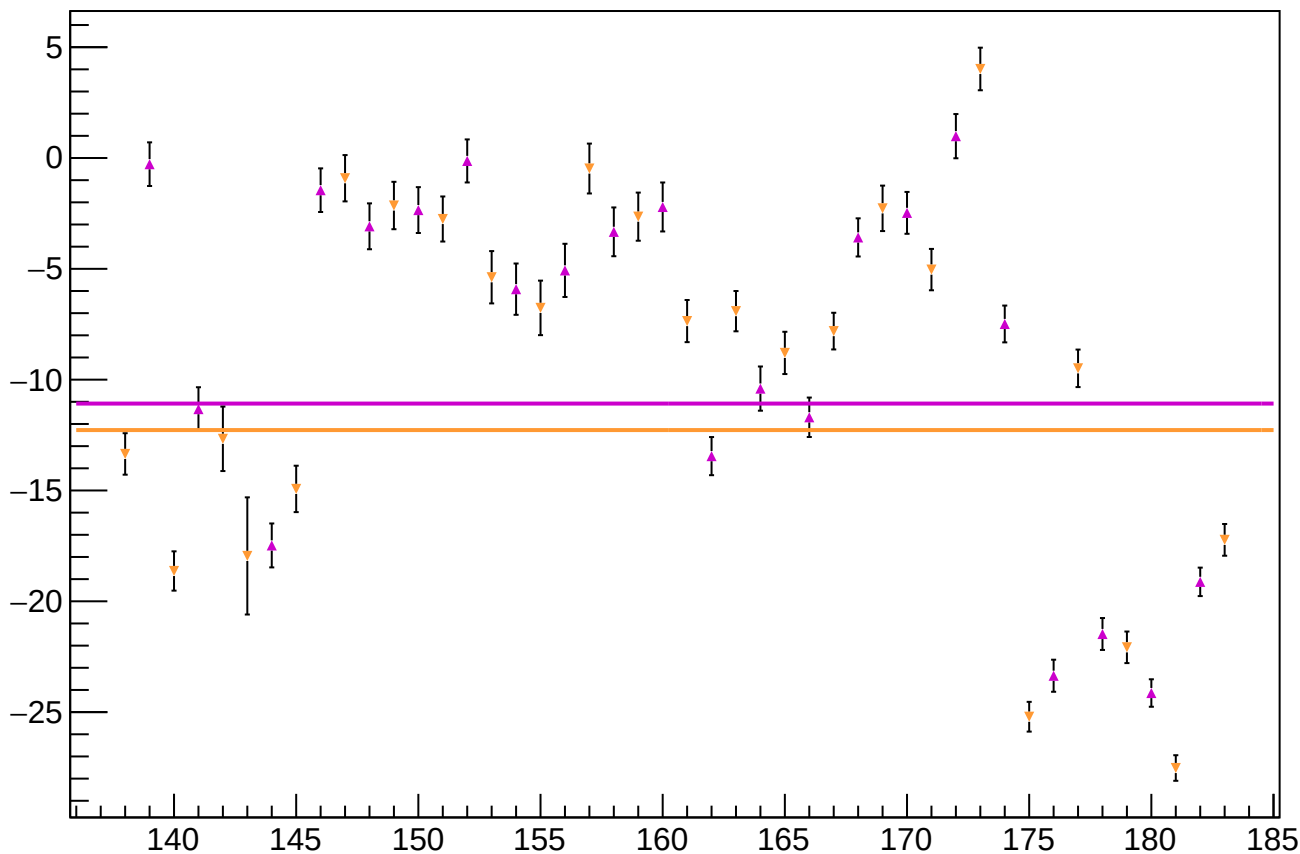
Right: -40.841 ± 0.020 $\chi^2/\text{NDF}: 88118.0/33$

In: -39.566 ± 0.012 $\chi^2/\text{NDF}: 140250.0/37$

Out: -40.216 ± 0.012 $\chi^2/\text{NDF}: 227429.1/41$

All: -39.890 ± 0.009 $\chi^2/\text{NDF}: 369049.3/79$

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -12.275 $\pm$ 0.188 χ^2/NDF :2466.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -11.079 $\pm$ 0.191 χ^2/NDF :2104.6/21

Left: -11.685 $\pm$ 0.134 χ^2/NDF : 4591.4/45

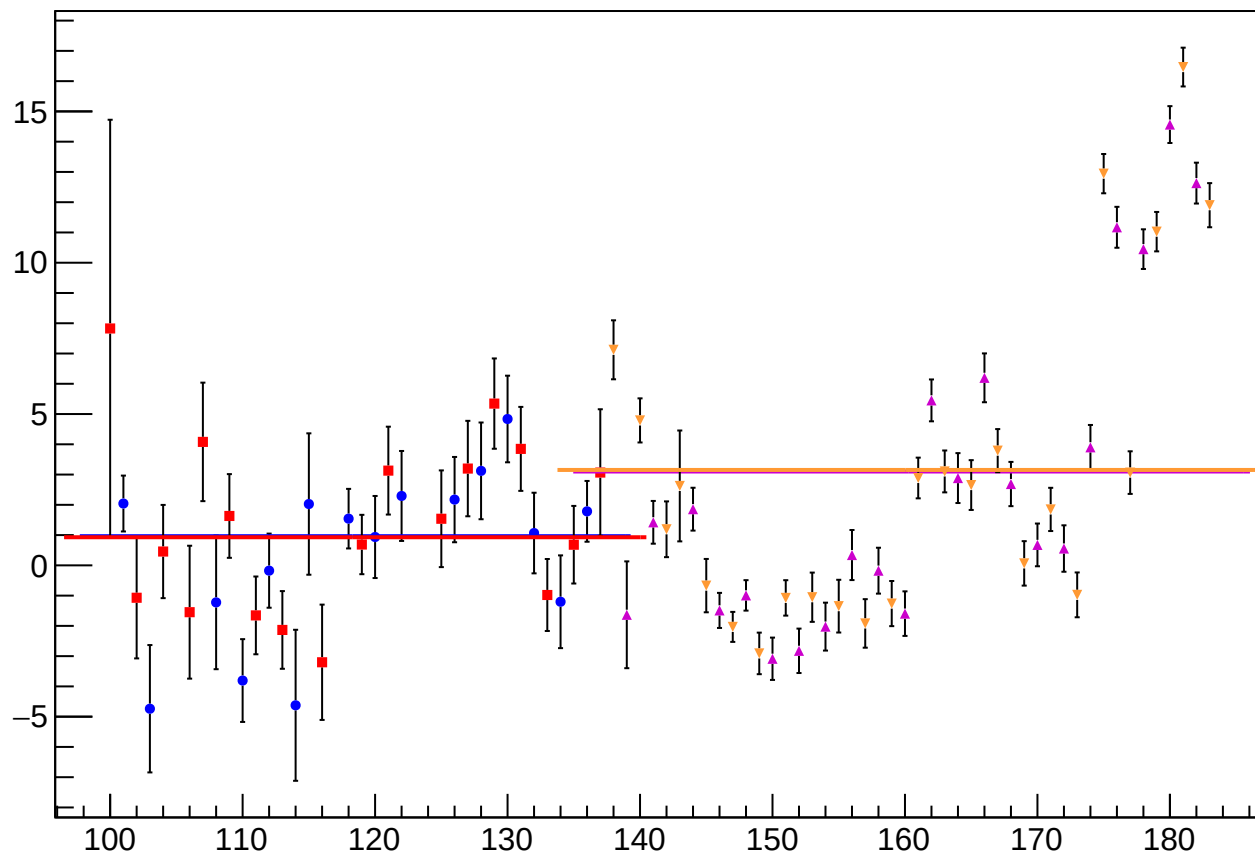
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -11.079 $\pm$ 0.191 χ^2/NDF :2104.6/21

Out: -12.275 $\pm$ 0.188 χ^2/NDF :2466.8/23

All: -11.685 $\pm$ 0.134 χ^2/NDF : 4591.4/45

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.963 ± 0.342 χ^2/NDF : 41.6/15

Left Out: 3.153 ± 0.148 χ^2/NDF : 1416.0/23

Right Out: 0.929 ± 0.354 χ^2/NDF : 42.1/17

Left In: 3.101 ± 0.151 χ^2/NDF : 1273.5/21

Left: 3.127 ± 0.106 χ^2/NDF : 2689.6/45

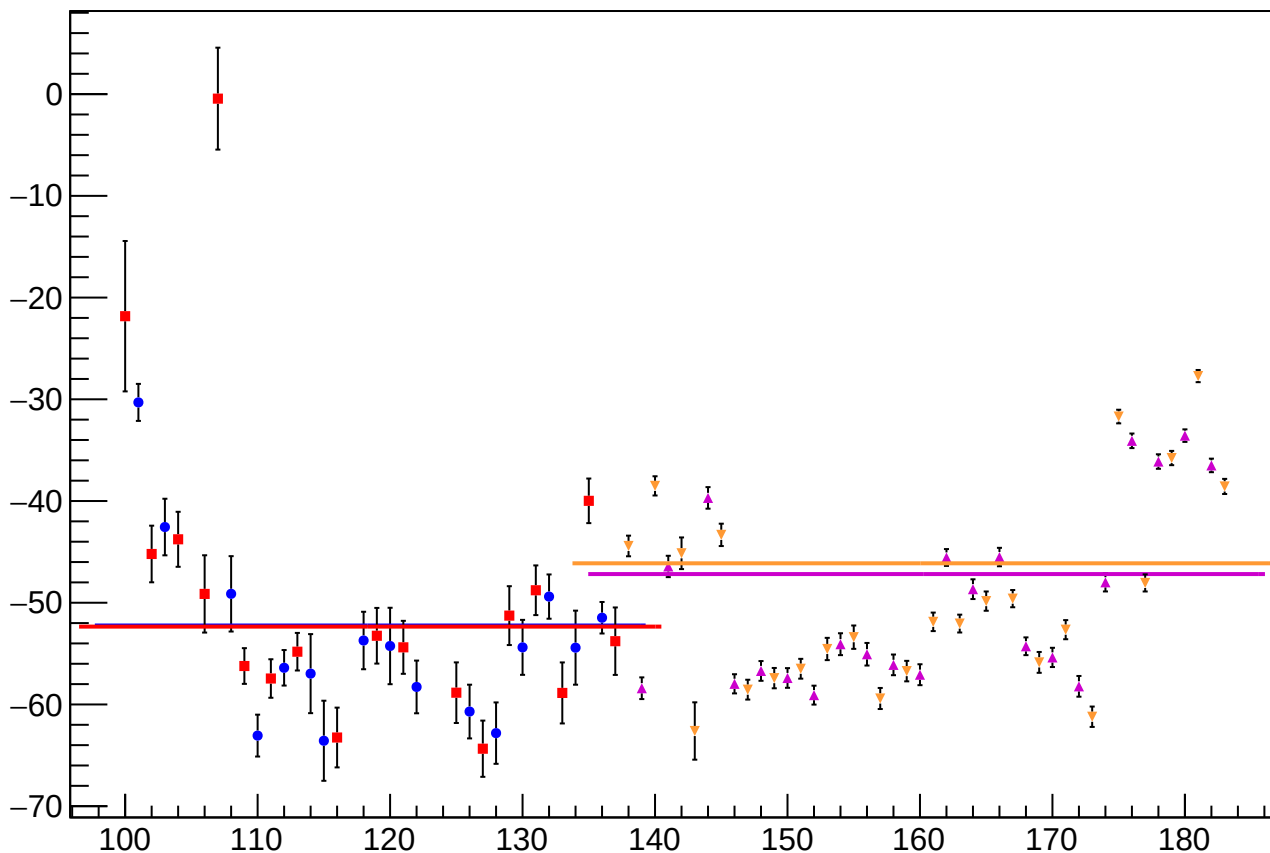
Right: 0.947 ± 0.246 χ^2/NDF : 83.7/33

In: 2.751 ± 0.138 χ^2/NDF : 1347.8/37

Out: 2.820 ± 0.137 χ^2/NDF : 1491.7/41

All: 2.786 ± 0.097 χ^2/NDF : 2839.6/79

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.238 ± 0.616 χ^2/NDF : 232.7/15

Left Out: -46.123 ± 0.188 χ^2/NDF : 3099.6/23

Right Out: -52.347 ± 0.617 χ^2/NDF : 232.8/17

Left In: -47.181 ± 0.190 χ^2/NDF : 2512.7/21

Left: -46.647 ± 0.133 χ^2/NDF : 5628.1/45

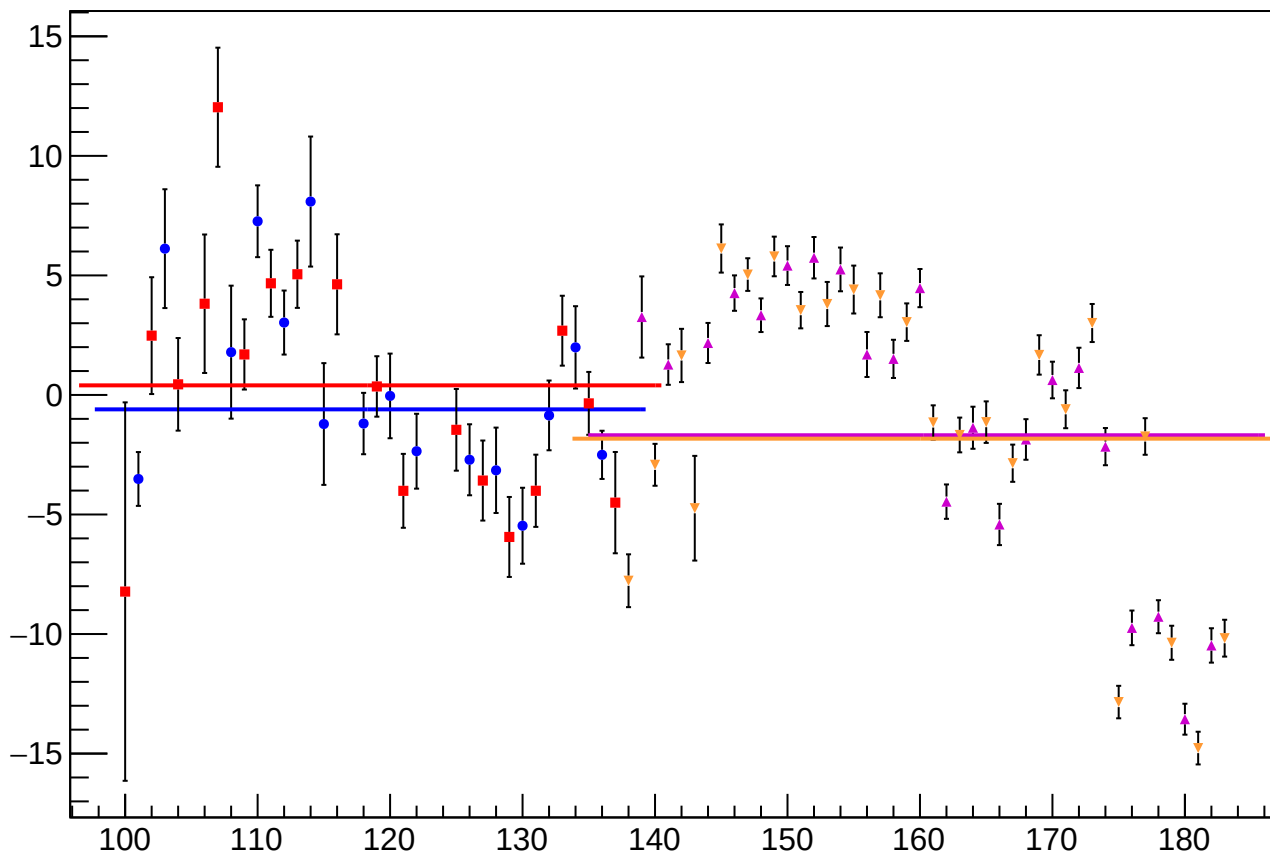
Right: -52.293 ± 0.436 χ^2/NDF : 465.5/33

In: -47.619 ± 0.181 χ^2/NDF : 2807.1/37

Out: -46.650 ± 0.179 χ^2/NDF : 3425.6/41

All: -47.130 ± 0.127 χ^2/NDF : 6247.1/79

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.603 ± 0.388 χ^2/NDF : 80.7/15

Left Out: -1.829 ± 0.168 χ^2/NDF : 1439.8/23

Right Out: 0.401 ± 0.400 χ^2/NDF : 96.2/17

Left In: -1.686 ± 0.171 χ^2/NDF : 1238.4/21

Left: -1.758 ± 0.120 χ^2/NDF : 2678.5/45

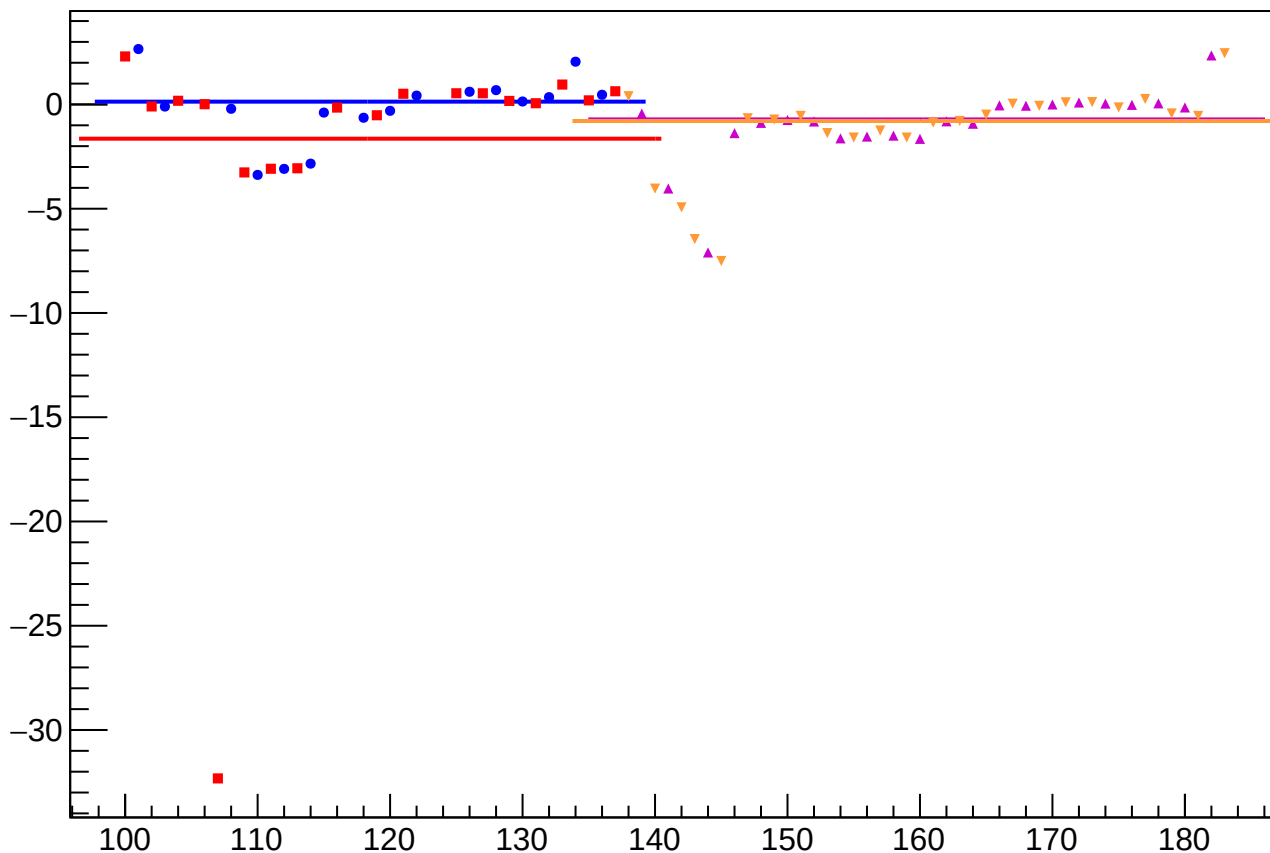
Right: -0.117 ± 0.278 χ^2/NDF : 180.1/33

In: -1.510 ± 0.156 χ^2/NDF : 1325.6/37

Out: -1.495 ± 0.155 χ^2/NDF : 1562.4/41

All: -1.503 ± 0.110 χ^2/NDF : 2887.9/79

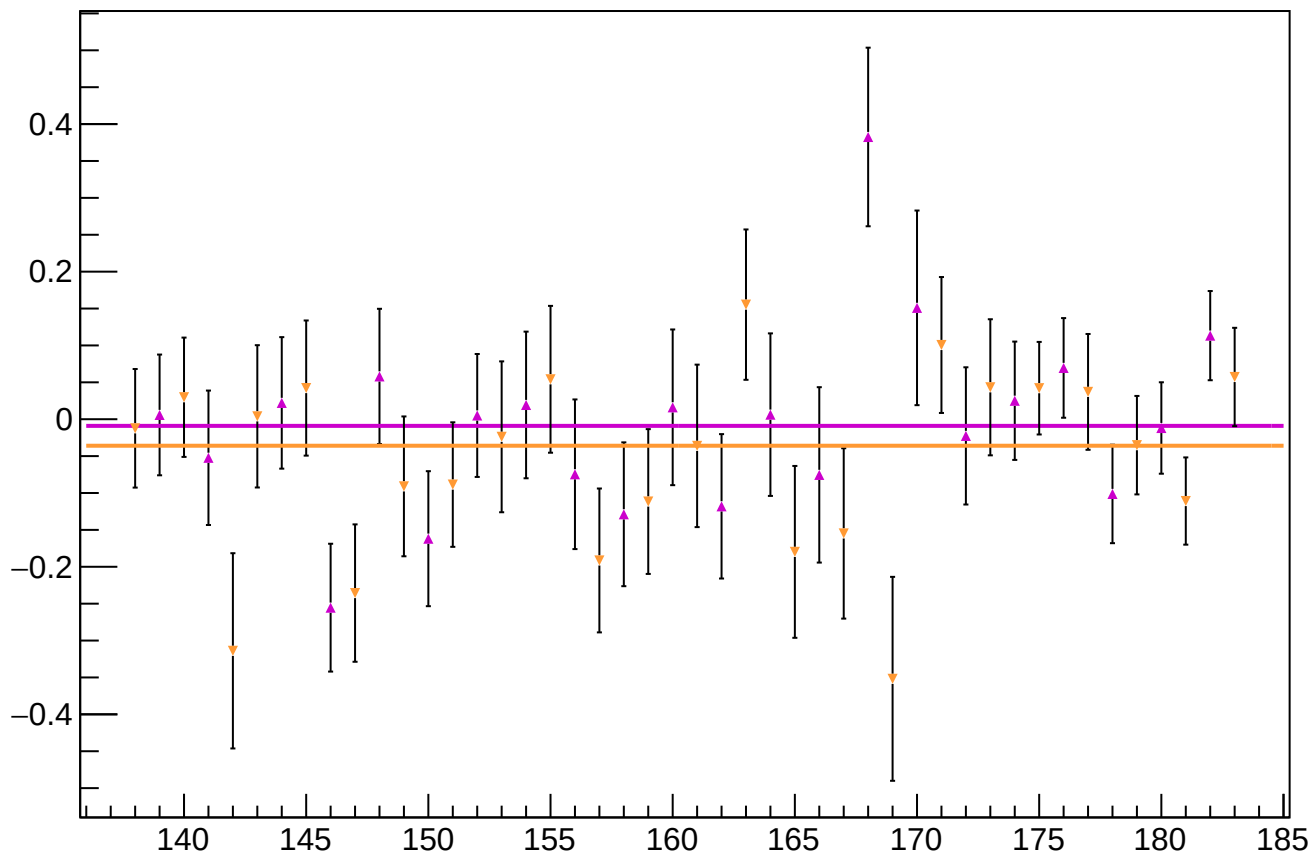
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.135 ± 0.022 $\chi^2/\text{NDF}: 5228.3/15$
 Left Out: -0.793 ± 0.008 $\chi^2/\text{NDF}: 52742.2/23$
 Right Out: -1.642 ± 0.022 $\chi^2/\text{NDF}: 77830.5/17$
 Left In: -0.717 ± 0.008 $\chi^2/\text{NDF}: 40036.6/21$

Left: -0.755 ± 0.005 $\chi^2/\text{NDF}: 92828.1/45$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86404.6/33$
 In: -0.619 ± 0.007 $\chi^2/\text{NDF}: 46642.9/37$
 Out: -0.887 ± 0.007 $\chi^2/\text{NDF}: 131913.7/41$
 All: -0.754 ± 0.005 $\chi^2/\text{NDF}: 179233.4/79$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.036 $\pm$ 0.018 χ^2 /NDF:35.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.0/21

Left: -0.023 $\pm$ 0.013 χ^2 /NDF: 71.7/45

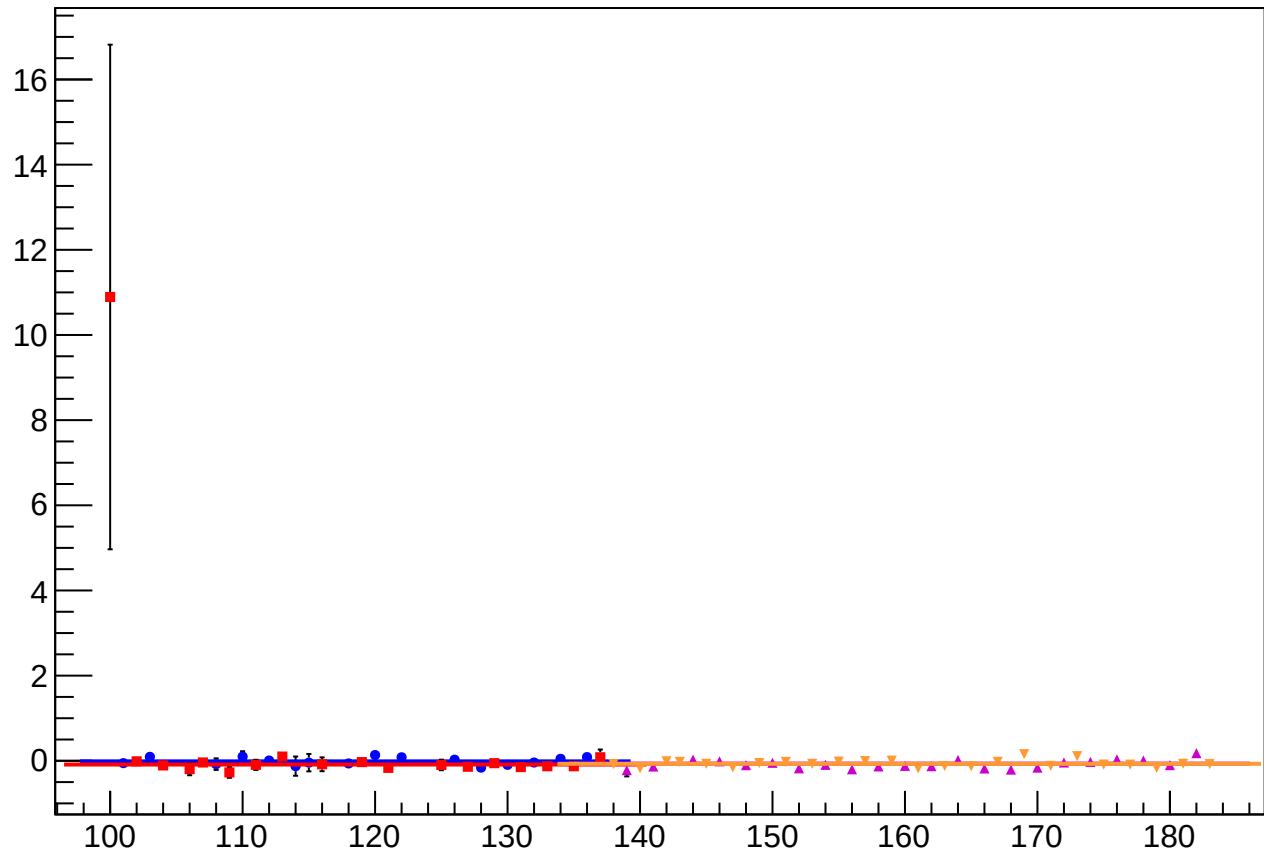
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.0/21

Out: -0.036 $\pm$ 0.018 χ^2 /NDF:35.6/23

All: -0.023 $\pm$ 0.013 χ^2 /NDF: 71.7/45

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 12.0/15

Left Out: -0.071 ± 0.014 χ^2/NDF : 28.3/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 12.9/17

Left In: -0.066 ± 0.015 χ^2/NDF : 39.6/21

Left: -0.069 ± 0.010 χ^2/NDF : 67.9/45

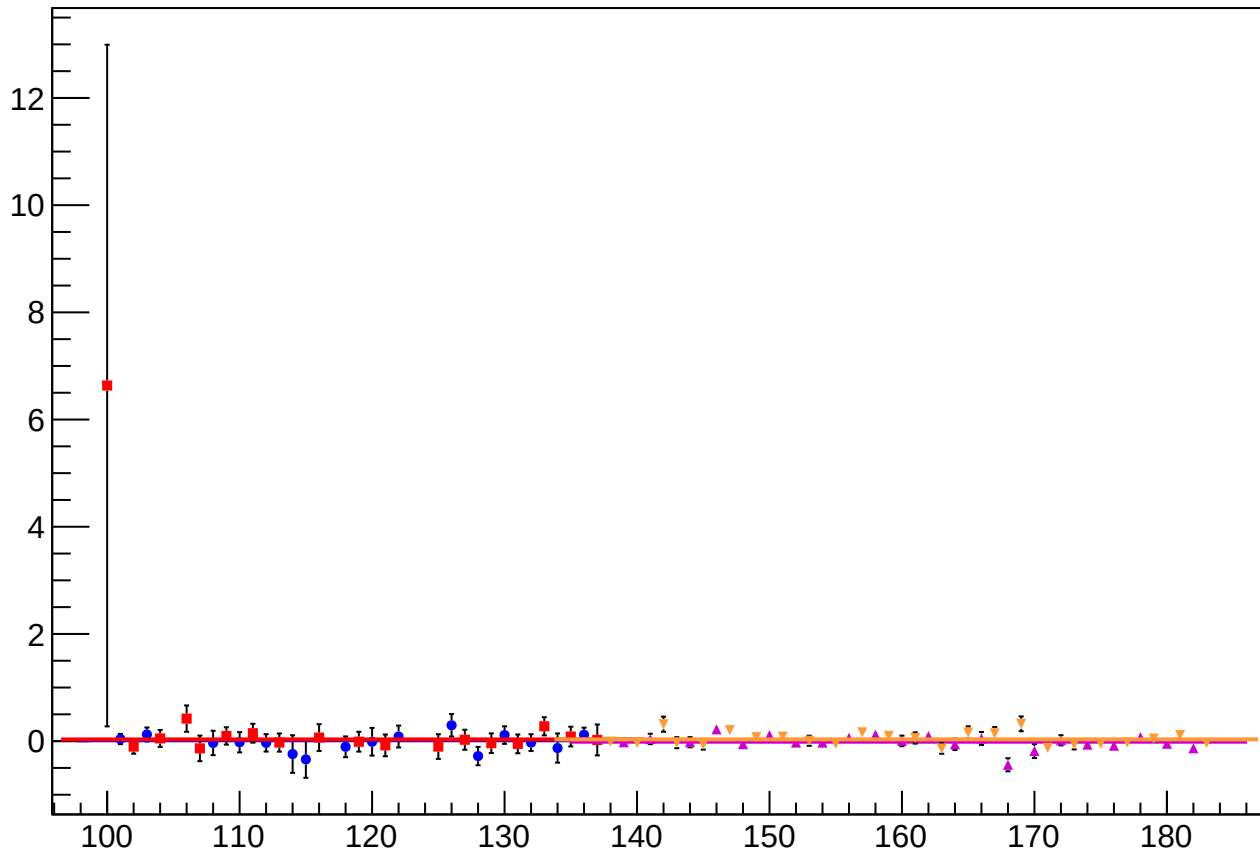
Right: -0.049 ± 0.017 χ^2/NDF : 29.7/33

In: -0.052 ± 0.012 χ^2/NDF : 55.3/37

Out: -0.075 ± 0.012 χ^2/NDF : 41.6/41

All: -0.064 ± 0.009 χ^2/NDF : 98.6/79

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.033 $\pm$ 0.018 χ^2 /NDF:32.6/23

Right Out: 0.032 $\pm$ 0.045 χ^2 /NDF: 9.1/17

Left In: -0.011 $\pm$ 0.018 χ^2 /NDF:36.4/21

Left: 0.012 $\pm$ 0.013 χ^2 /NDF: 71.9/45

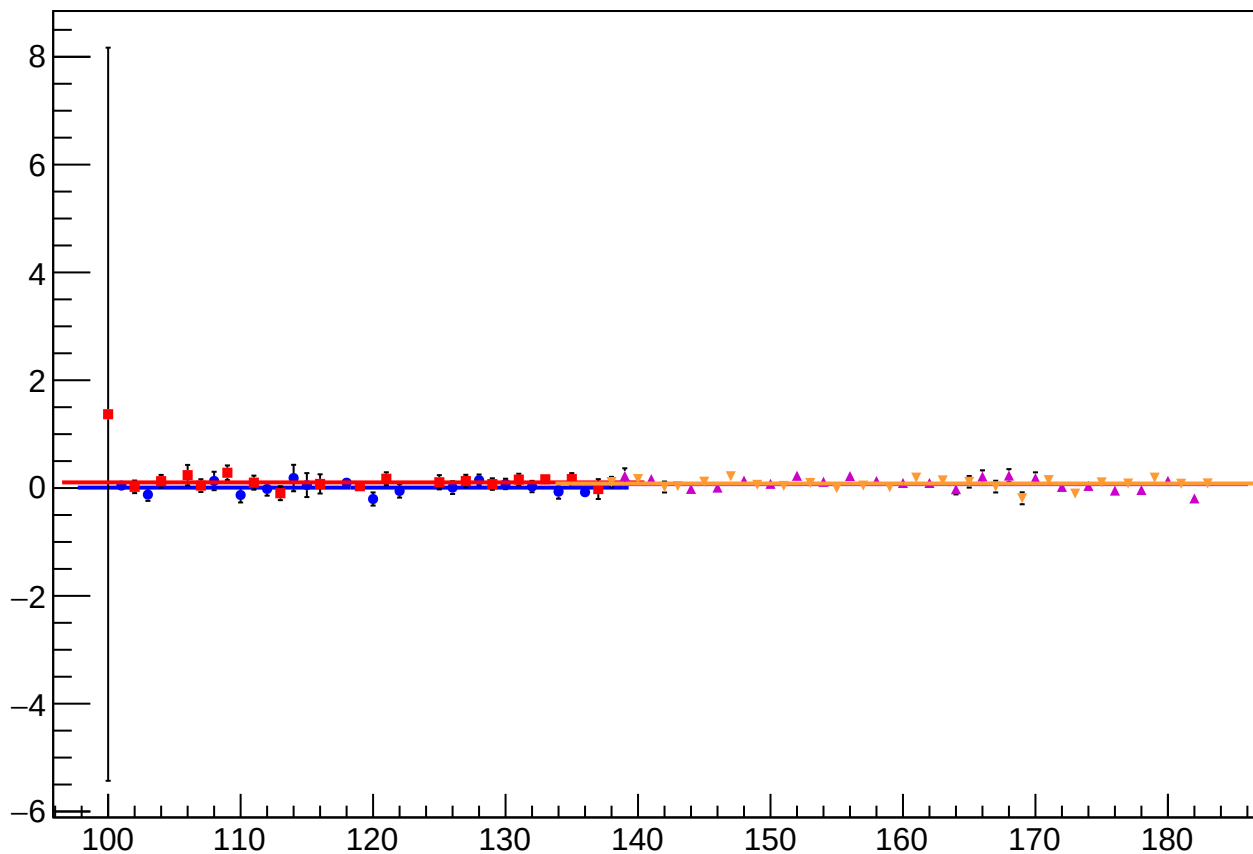
Right: 0.024 $\pm$ 0.031 χ^2 /NDF: 18.2/33

In: -0.007 $\pm$ 0.017 χ^2 /NDF:45.8/37

Out: 0.033 $\pm$ 0.017 χ^2 /NDF:41.6/41

All: 0.013 $\pm$ 0.012 χ^2 /NDF: 90.3/79

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 11.7/15

Left Out: 0.084 $\pm$ 0.016 χ^2 /NDF:28.1/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 8.1/17

Left In: 0.073 $\pm$ 0.016 χ^2 /NDF:43.2/21

Left: 0.079 $\pm$ 0.011 χ^2 /NDF: 71.5/45

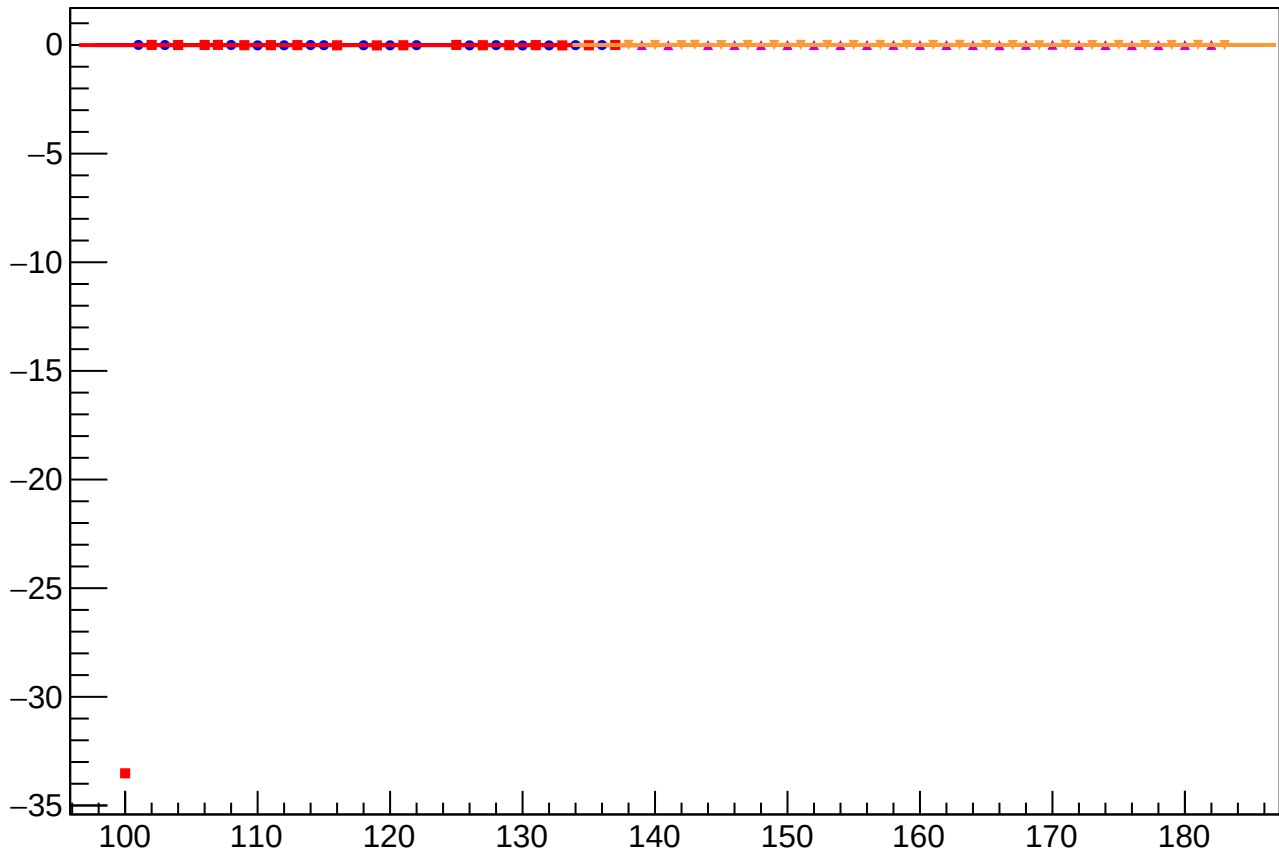
Right: 0.054 $\pm$ 0.020 χ^2 /NDF: 25.9/33

In: 0.055 $\pm$ 0.014 χ^2 /NDF:59.0/37

Out: 0.089 $\pm$ 0.014 χ^2 /NDF:36.6/41

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 98.5/79

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.5/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 25.5/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.9/17

Left In: 0.000 ± 0.001 χ^2/NDF : 21.8/21

Left: 0.000 ± 0.001 χ^2/NDF : 47.5/45

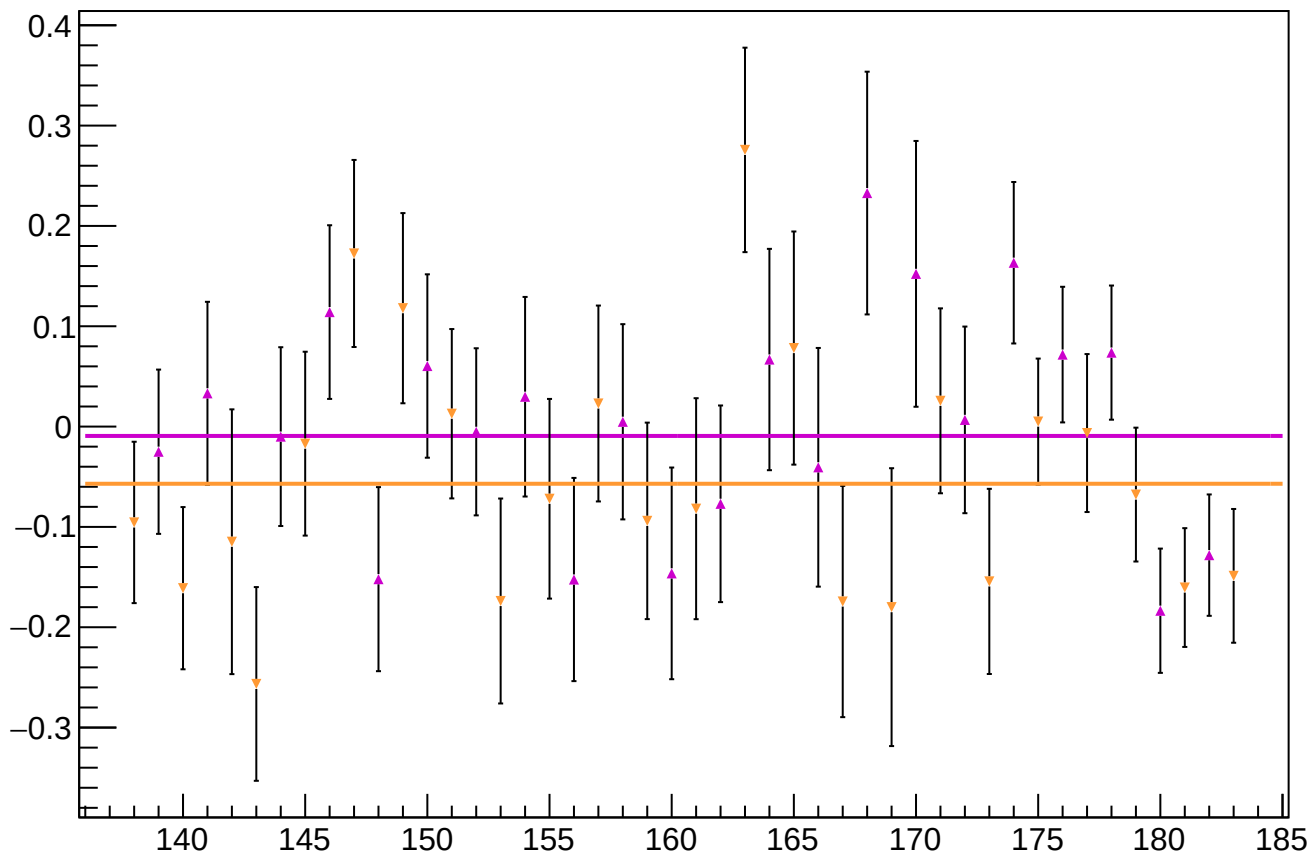
Right: -0.006 ± 0.001 χ^2/NDF : 26530.5/33

In: -0.001 ± 0.001 χ^2/NDF : 55.3/37

Out: -0.001 ± 0.001 χ^2/NDF : 26551.0/41

All: -0.001 ± 0.000 χ^2/NDF : 26606.4/79

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.057 $\pm$ 0.018 χ^2 /NDF:41.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.1/21

Left: -0.034 $\pm$ 0.013 χ^2 /NDF: 79.5/45

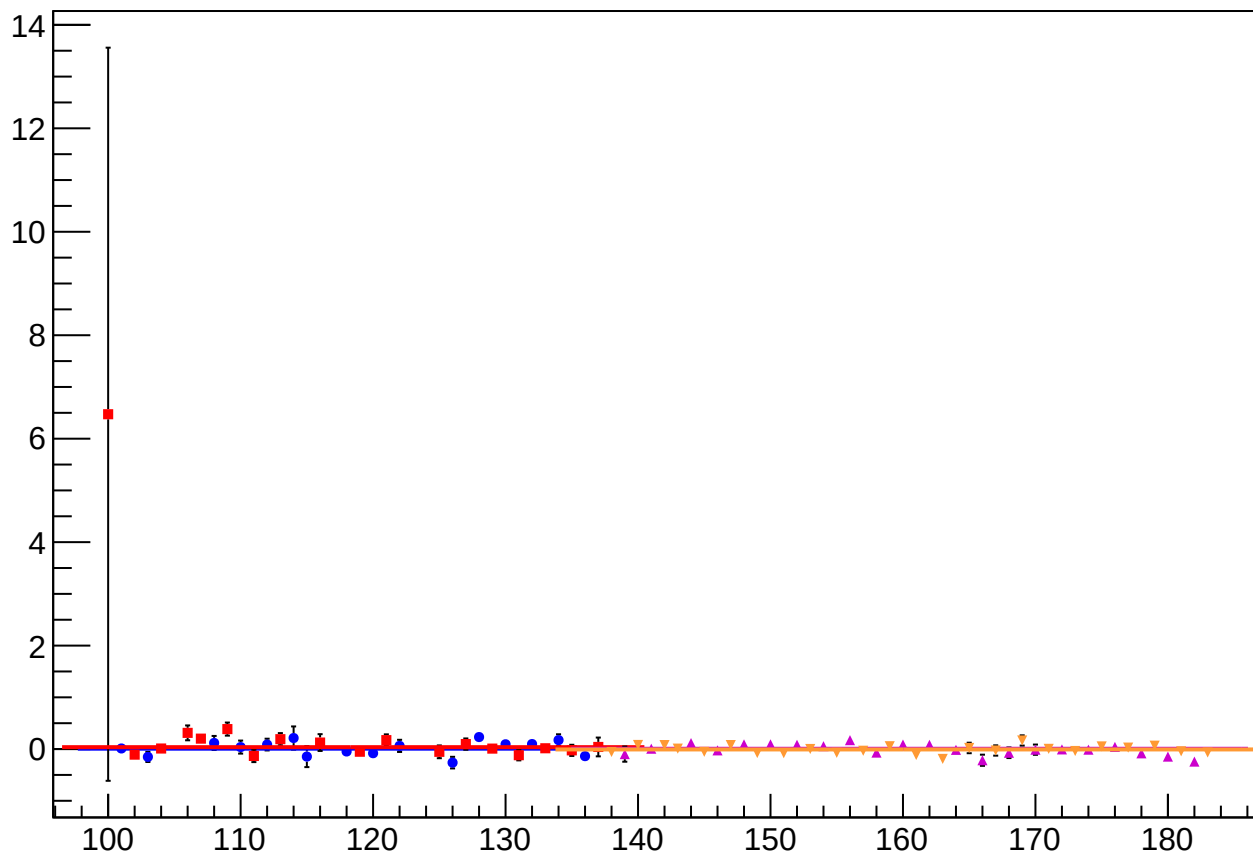
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.1/21

Out: -0.057 $\pm$ 0.018 χ^2 /NDF:41.0/23

All: -0.034 $\pm$ 0.013 χ^2 /NDF: 79.5/45

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.008+/-0.023 χ^2/NDF : 25.1/15

Left Out: -0.007+/-0.014 χ^2/NDF : 27.0/23

Right Out: 0.037+/-0.025 χ^2/NDF : 28.7/17

Left In: 0.006+/-0.015 χ^2/NDF : 49.4/21

Left: -0.001+/-0.010 χ^2/NDF : 76.8/45

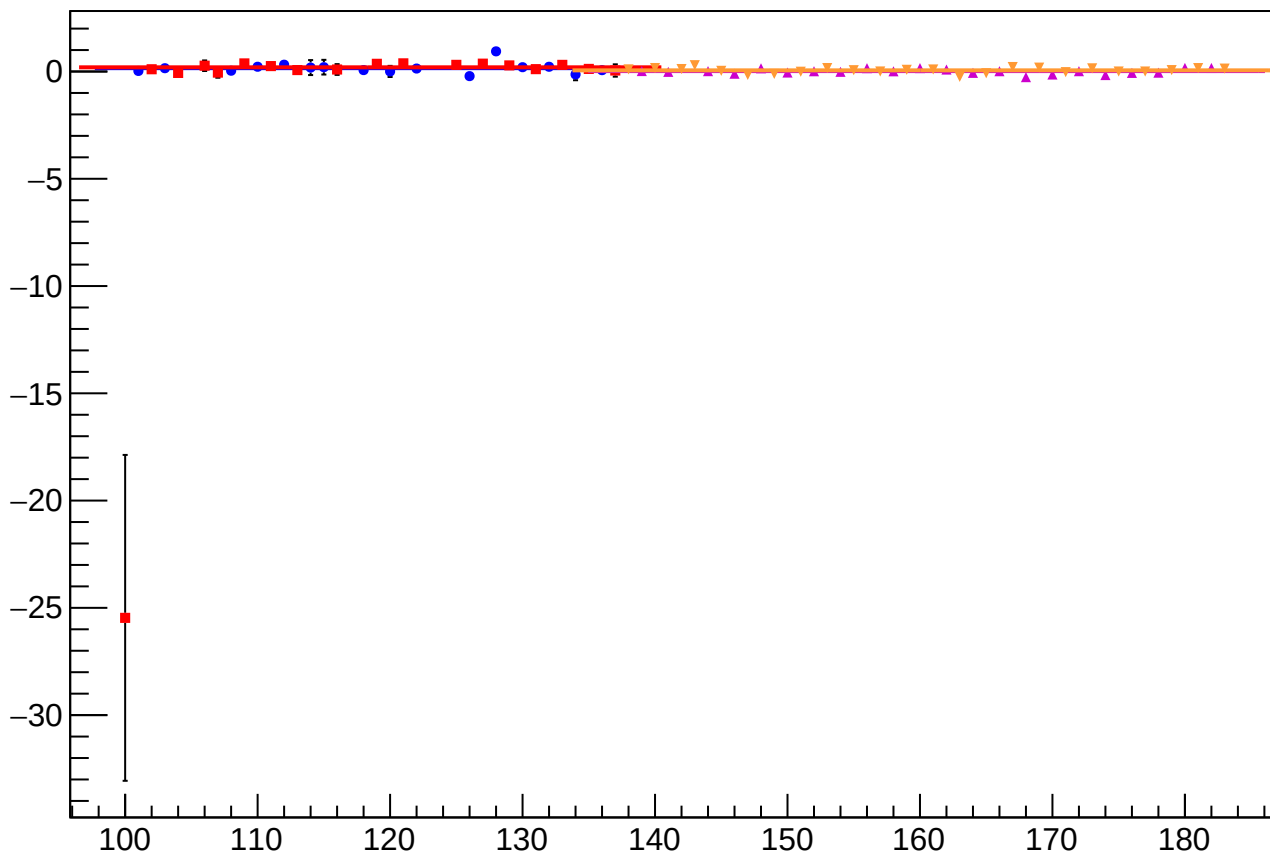
Right: 0.021+/-0.017 χ^2/NDF : 54.6/33

In: 0.006+/-0.012 χ^2/NDF : 74.5/37

Out: 0.003+/-0.012 χ^2/NDF : 58.1/41

All: 0.005+/-0.009 χ^2/NDF : 132.7/79

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 29.7/15

Left Out: 0.054 $\pm$ 0.018 χ^2 /NDF:40.4/23

Right Out: 0.195 $\pm$ 0.045 χ^2 /NDF: 22.0/17

Left In: 0.019 $\pm$ 0.018 χ^2 /NDF:35.8/21

Left: 0.037 $\pm$ 0.013 χ^2 /NDF: 78.0/45

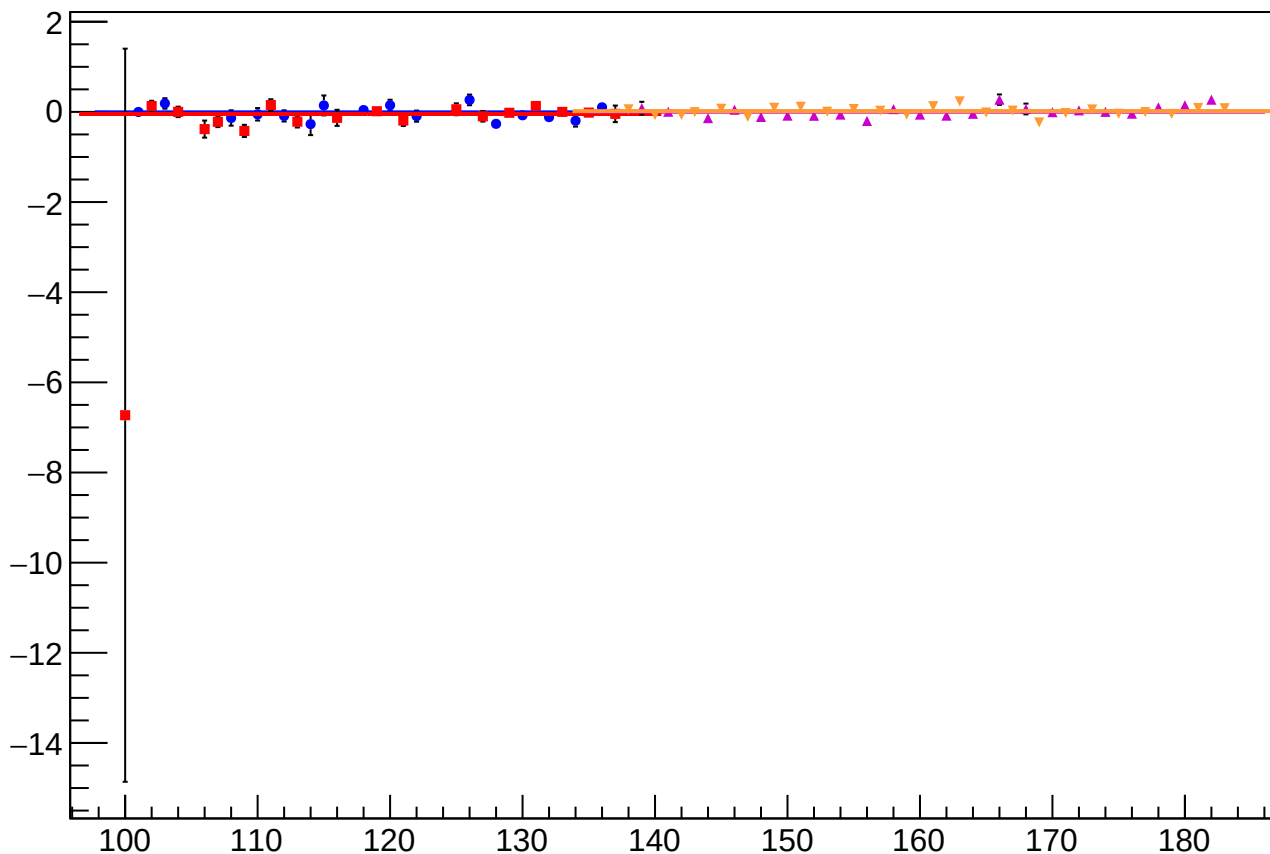
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.1/33

In: 0.041 $\pm$ 0.017 χ^2 /NDF:74.1/37

Out: 0.073 $\pm$ 0.017 χ^2 /NDF:70.9/41

All: 0.057 $\pm$ 0.012 χ^2 /NDF: 146.9/79

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.010 ± 0.027 χ^2/NDF : 24.6/15

Left Out: 0.017 ± 0.016 χ^2/NDF : 29.9/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 26.3/17

Left In: 0.004 ± 0.016 χ^2/NDF : 49.7/21

Left: 0.011 ± 0.011 χ^2/NDF : 79.9/45

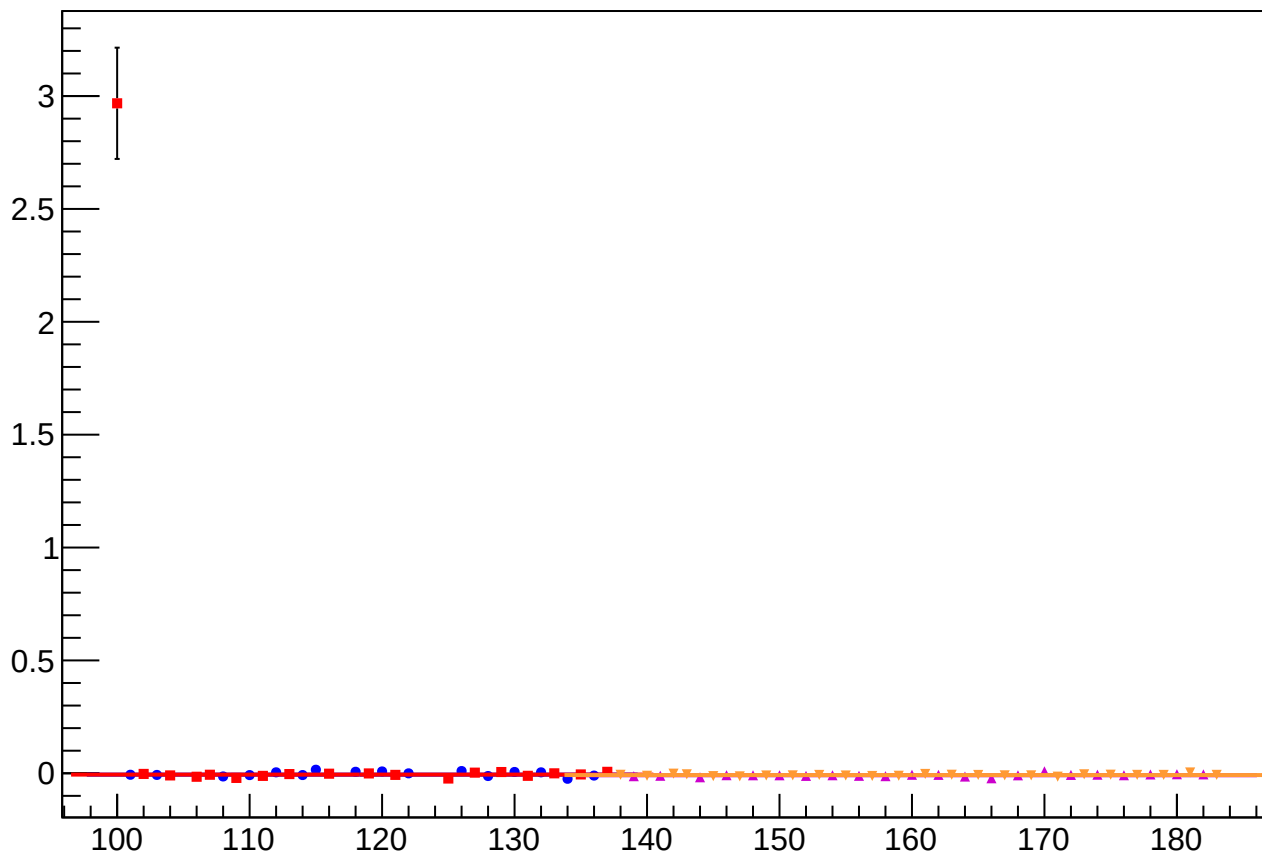
Right: -0.027 ± 0.020 χ^2/NDF : 51.7/33

In: 0.001 ± 0.014 χ^2/NDF : 74.5/37

Out: 0.002 ± 0.014 χ^2/NDF : 59.9/41

All: 0.001 ± 0.010 χ^2/NDF : 134.4/79

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2 /NDF: 27.4/15

Left Out: -0.008+/-0.001 χ^2 /NDF:30.5/23

Right Out: -0.006+/-0.001 χ^2 /NDF: 165.3/17

Left In: -0.009+/-0.001 χ^2 /NDF:37.0/21

Left: -0.008+/-0.001 χ^2 /NDF: 68.1/45

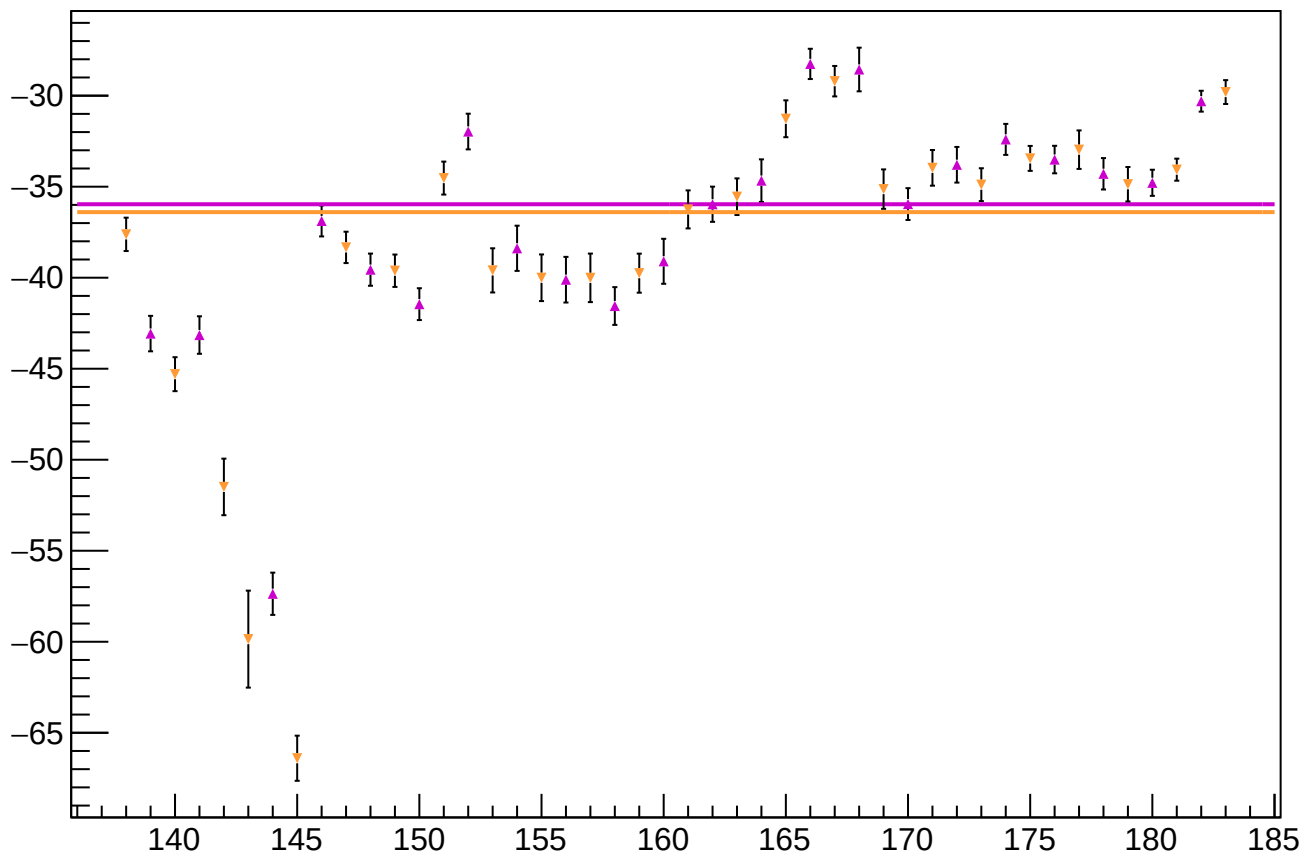
Right: -0.006+/-0.001 χ^2 /NDF: 192.7/33

In: -0.008+/-0.001 χ^2 /NDF:67.1/37

Out: -0.007+/-0.001 χ^2 /NDF:197.4/41

All: -0.008+/-0.000 χ^2 /NDF: 265.0/79

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -36.397+/-0.193 χ^2/NDF :1163.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -35.964+/-0.195 χ^2/NDF :828.0/21

Left: -36.182+/-0.137 χ^2/NDF : 1994.0/45

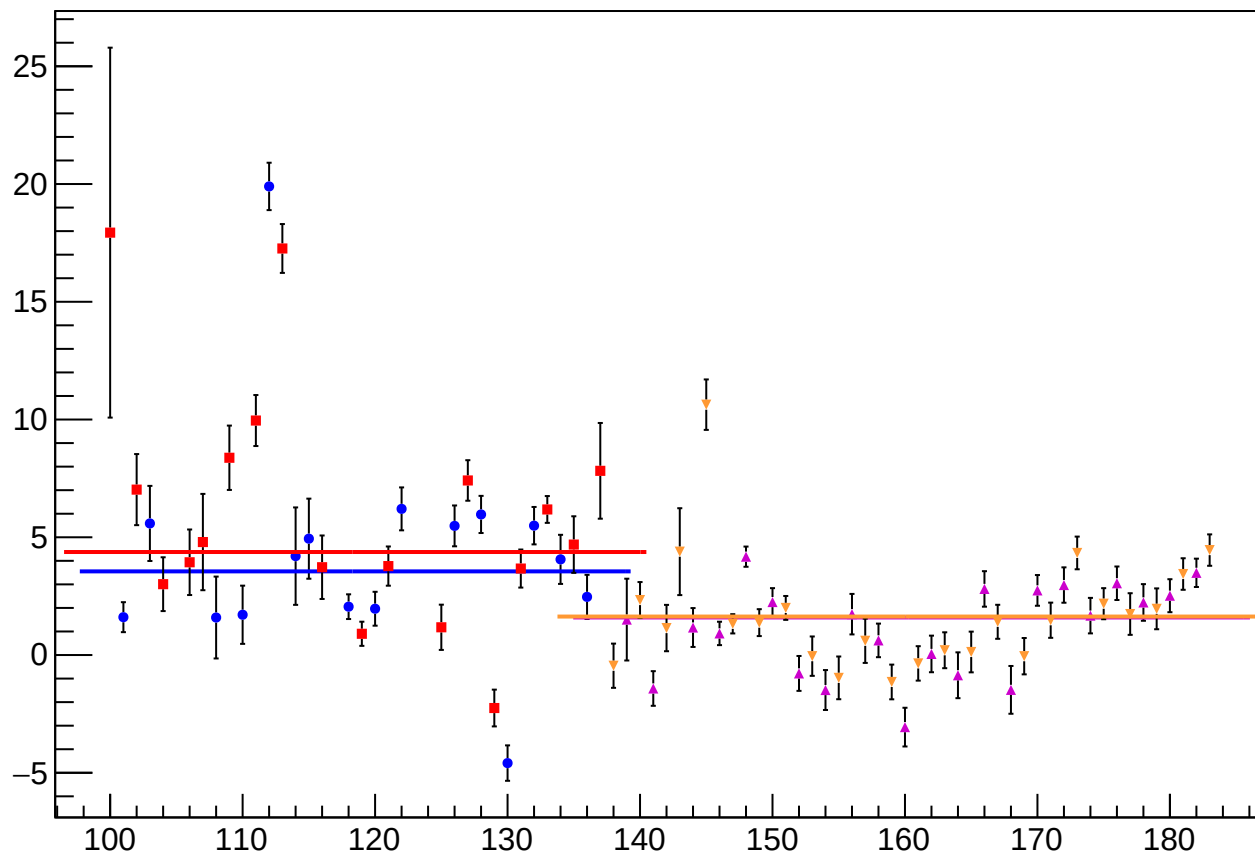
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -35.964+/-0.195 χ^2/NDF :828.0/21

Out: -36.397+/-0.193 χ^2/NDF :1163.5/23

All: -36.182+/-0.137 χ^2/NDF : 1994.0/45

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.552 $\pm$ 0.221 χ^2 /NDF: 439.9/15

Left Out: 1.634 $\pm$ 0.148 χ^2 /NDF:167.8/23

Right Out: 4.374 $\pm$ 0.225 χ^2 /NDF: 353.1/17

Left In: 1.595 $\pm$ 0.151 χ^2 /NDF:158.9/21

Left: 1.615 $\pm$ 0.106 χ^2 /NDF: 326.8/45

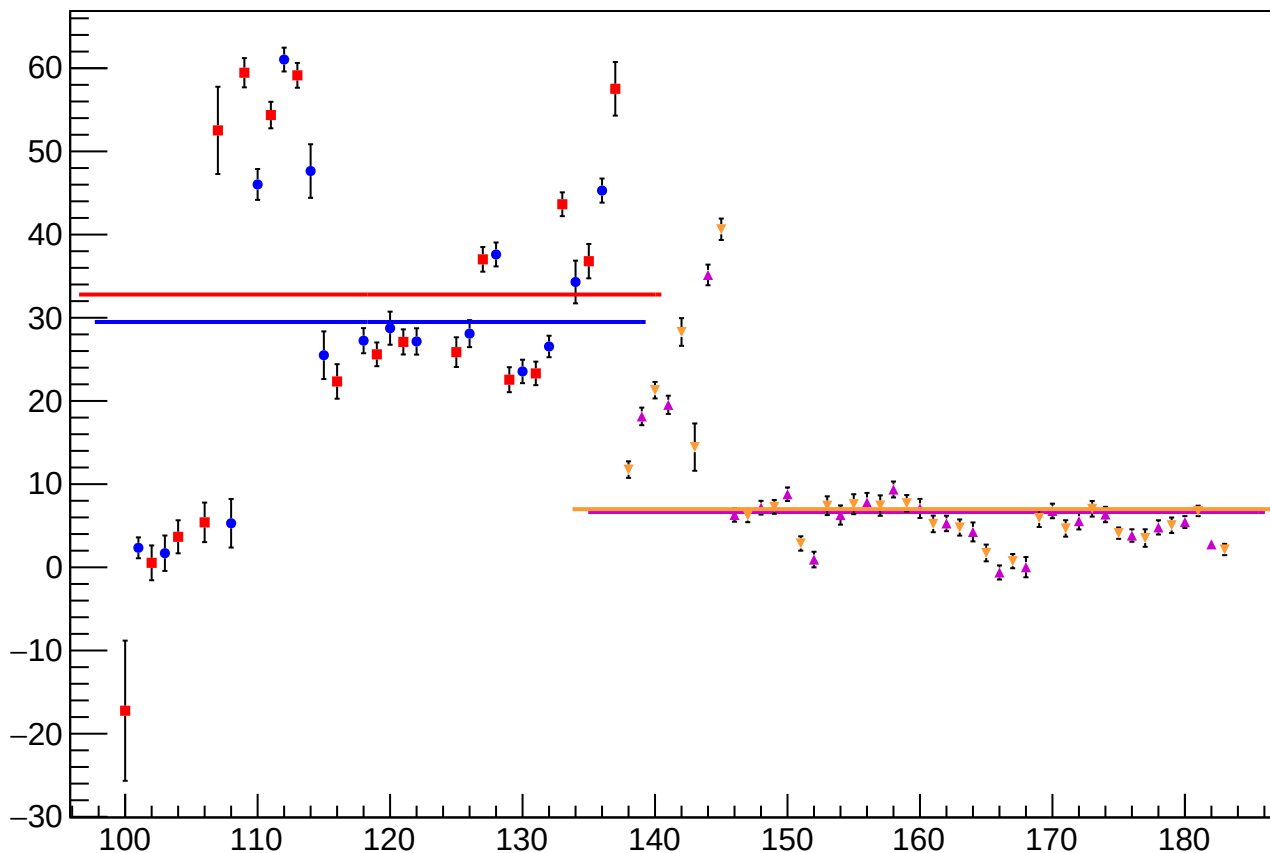
Right: 3.955 $\pm$ 0.158 χ^2 /NDF: 799.8/33

In: 2.220 $\pm$ 0.125 χ^2 /NDF:652.4/37

Out: 2.464 $\pm$ 0.124 χ^2 /NDF:624.2/41

All: 2.343 $\pm$ 0.088 χ^2 /NDF: 1278.5/79

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.493 ± 0.420 χ^2/NDF : 1489.7/15

Left Out: 6.997 ± 0.193 χ^2/NDF : 1289.4/23

Right Out: 32.793 ± 0.424 χ^2/NDF : 1660.2/17

Left In: 6.652 ± 0.193 χ^2/NDF : 1013.8/21

Left: 6.825 ± 0.137 χ^2/NDF : 2304.7/45

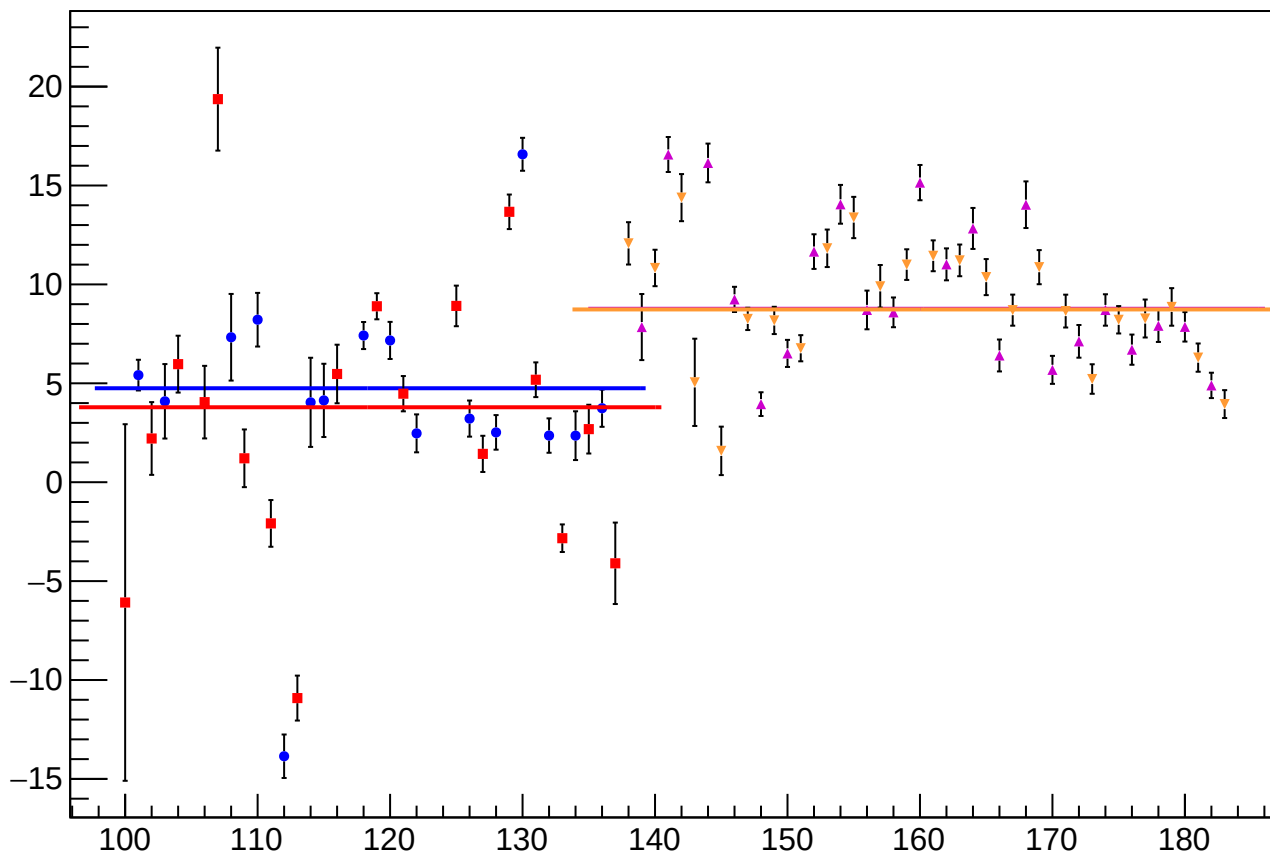
Right: 31.130 ± 0.298 χ^2/NDF : 3180.4/33

In: 10.644 ± 0.176 χ^2/NDF : 4940.2/37

Out: 11.422 ± 0.175 χ^2/NDF : 6021.6/41

All: 11.034 ± 0.124 χ^2/NDF : 10971.6/79

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.750 ± 0.255 $\chi^2/\text{NDF}: 546.5/15$

Left Out: 8.734 ± 0.170 $\chi^2/\text{NDF}: 236.5/23$

Right Out: 3.789 ± 0.259 $\chi^2/\text{NDF}: 564.8/17$

Left In: 8.768 ± 0.172 $\chi^2/\text{NDF}: 423.0/21$

Left: 8.751 ± 0.121 $\chi^2/\text{NDF}: 659.5/45$

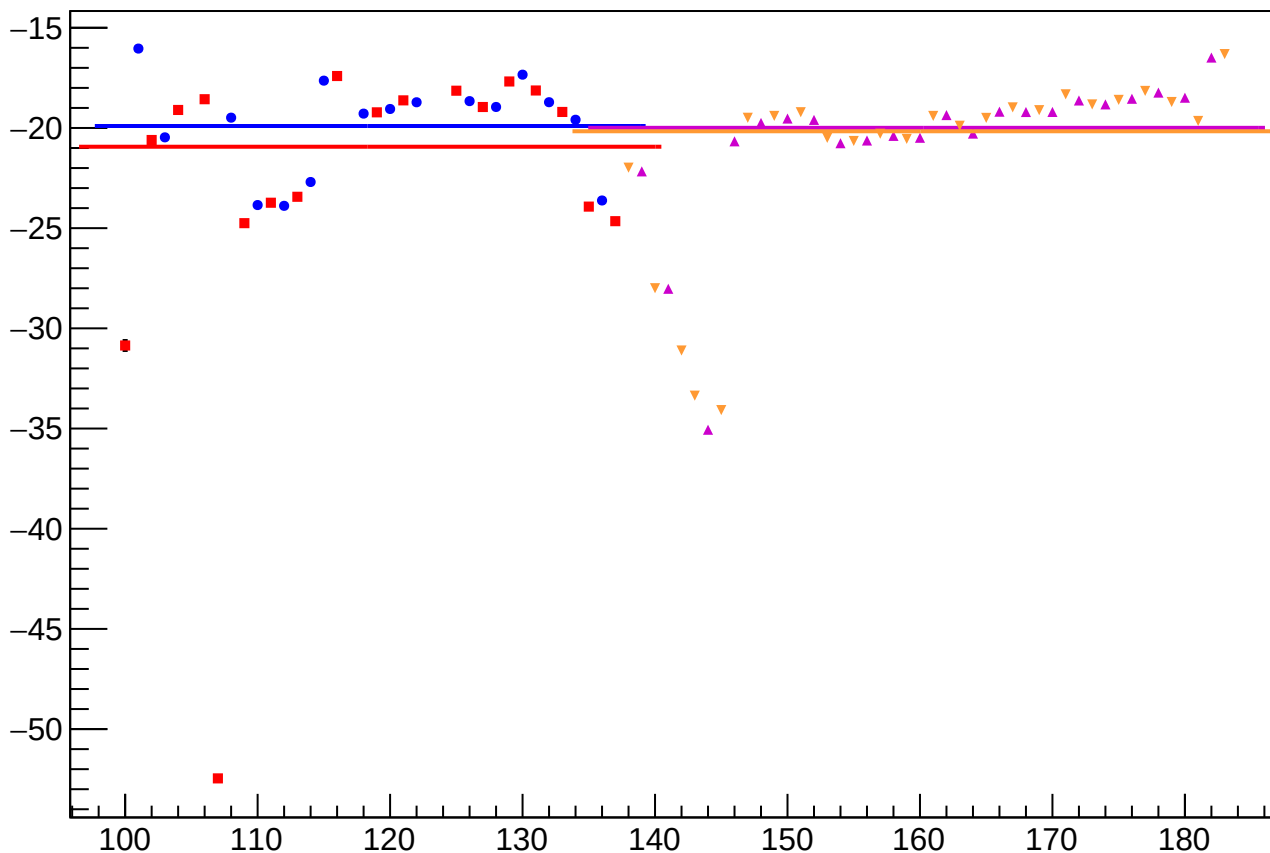
Right: 4.278 ± 0.182 $\chi^2/\text{NDF}: 1118.3/33$

In: 7.505 ± 0.143 $\chi^2/\text{NDF}: 1140.4/37$

Out: 7.245 ± 0.142 $\chi^2/\text{NDF}: 1056.0/41$

All: 7.375 ± 0.101 $\chi^2/\text{NDF}: 2198.1/79$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 χ^2/NDF : 26019.5/15

Left Out: -20.165 ± 0.008 χ^2/NDF : 179648.8/23

Right Out: -20.936 ± 0.016 χ^2/NDF : 93988.8/17

Left In: -19.993 ± 0.008 χ^2/NDF : 138995.0/21

Left: -20.079 ± 0.006 χ^2/NDF : 318876.0/45

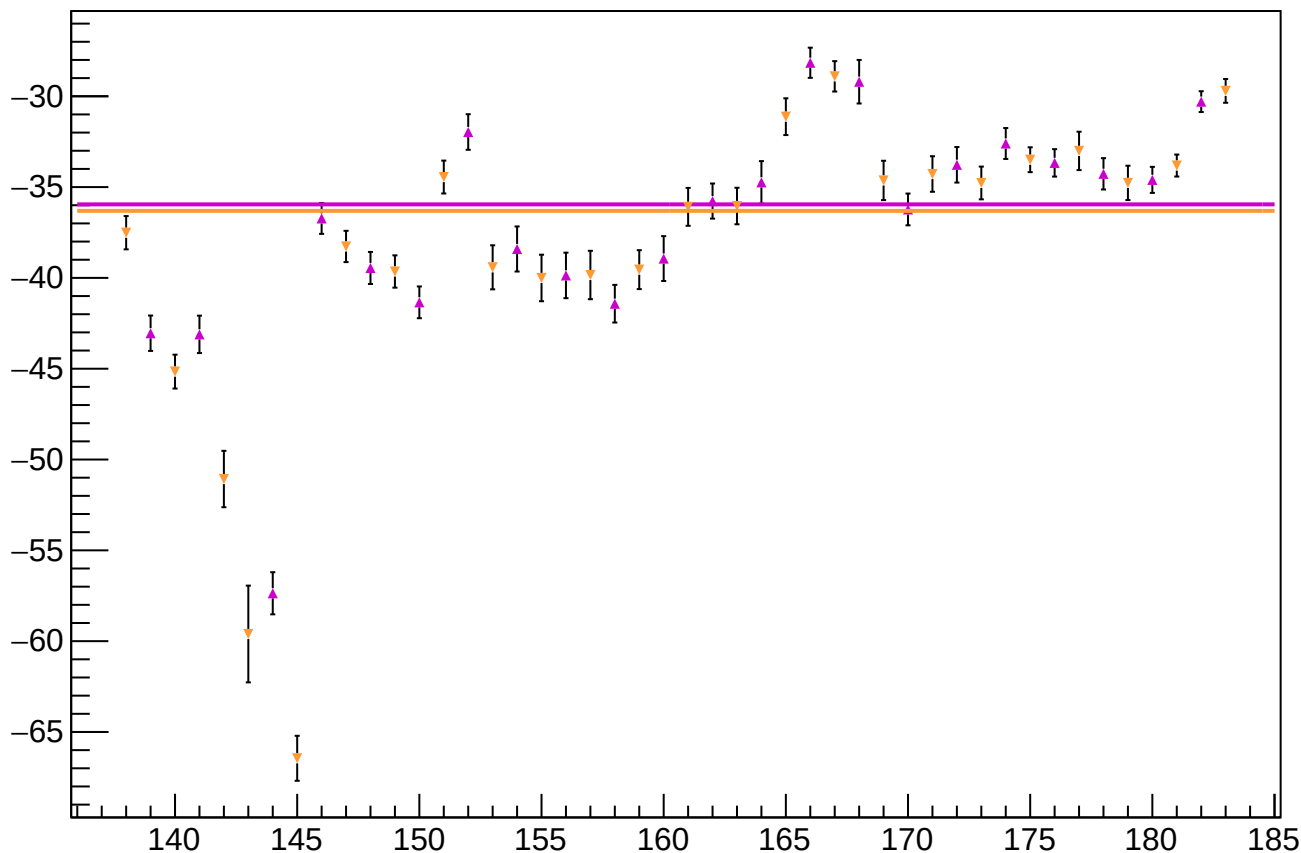
Right: -20.416 ± 0.011 χ^2/NDF : 122177.4/33

In: -19.974 ± 0.007 χ^2/NDF : 165041.6/37

Out: -20.322 ± 0.007 χ^2/NDF : 275548.0/41

All: -20.148 ± 0.005 χ^2/NDF : 441789.3/79

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -36.308+/-0.193 χ^2/NDF :1167.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -35.952+/-0.195 χ^2/NDF :816.2/21

Left: -36.131+/-0.137 χ^2/NDF : 1985.7/45

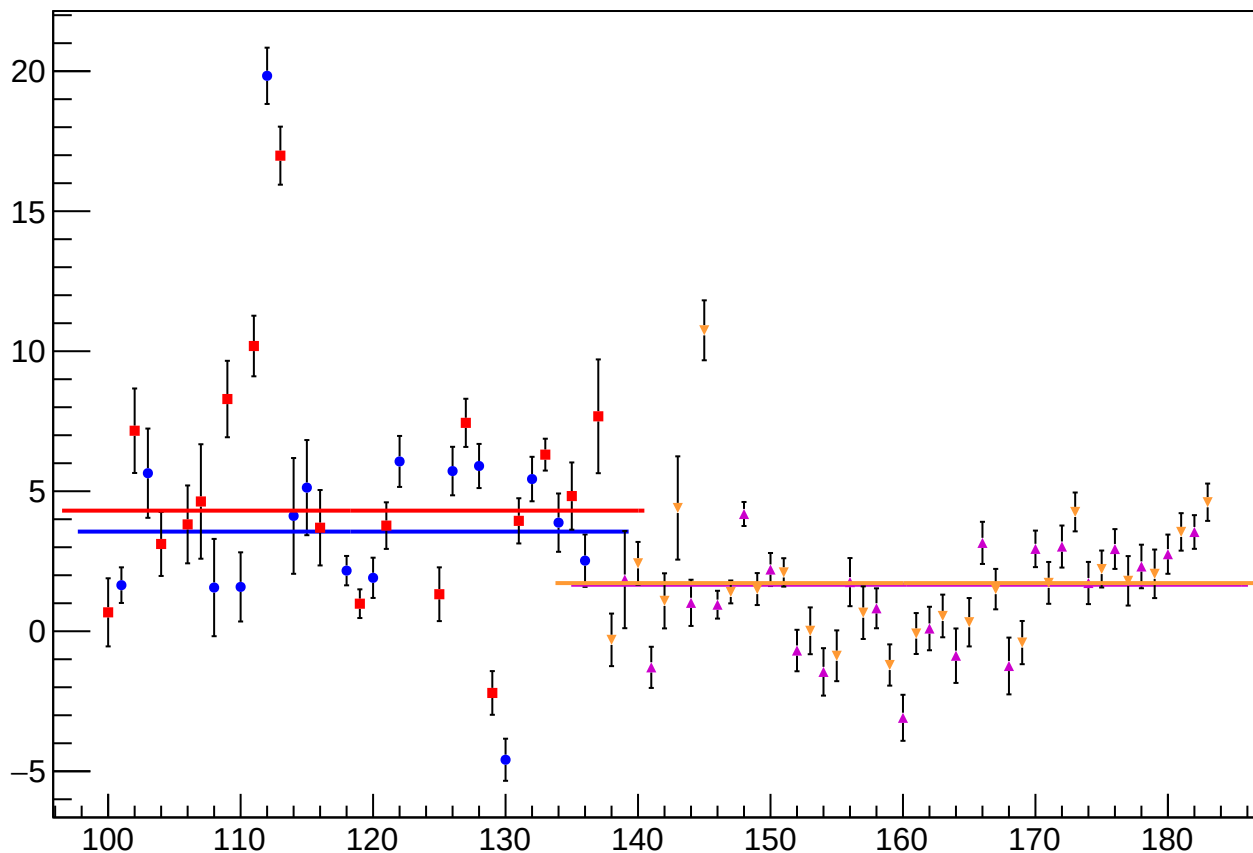
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -35.952+/-0.195 χ^2/NDF :816.2/21

Out: -36.308+/-0.193 χ^2/NDF :1167.8/23

All: -36.131+/-0.137 χ^2/NDF : 1985.7/45

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.559 ± 0.221 $\chi^2/\text{NDF}: 437.1/15$

Left Out: 1.720 ± 0.148 $\chi^2/\text{NDF}: 169.0/23$

Right Out: 4.307 ± 0.221 $\chi^2/\text{NDF}: 352.1/17$

Left In: 1.661 ± 0.151 $\chi^2/\text{NDF}: 159.1/21$

Left: 1.691 ± 0.106 $\chi^2/\text{NDF}: 328.1/45$

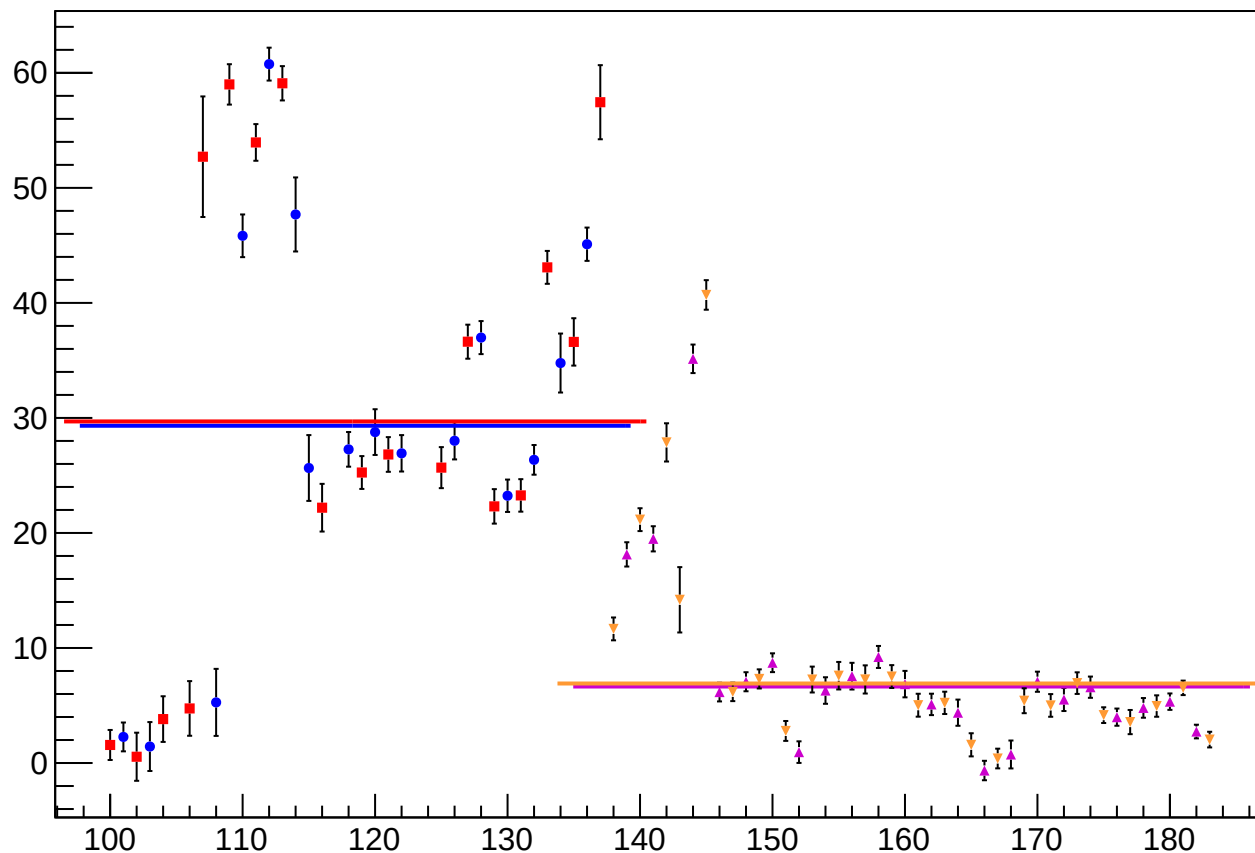
Right: 3.932 ± 0.156 $\chi^2/\text{NDF}: 795.0/33$

In: 2.267 ± 0.125 $\chi^2/\text{NDF}: 646.6/37$

Out: 2.522 ± 0.123 $\chi^2/\text{NDF}: 615.3/41$

All: 2.396 ± 0.088 $\chi^2/\text{NDF}: 1264.1/79$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.321 $\pm$ 0.420 χ^2 /NDF: 1483.3/15

Left Out: 6.912 $\pm$ 0.193 χ^2 /NDF:1290.4/23

Right Out: 29.696 $\pm$ 0.403 χ^2 /NDF: 2129.0/17

Left In: 6.650 $\pm$ 0.193 χ^2 /NDF:1006.3/21

Left: 6.781 $\pm$ 0.136 χ^2 /NDF: 2297.6/45

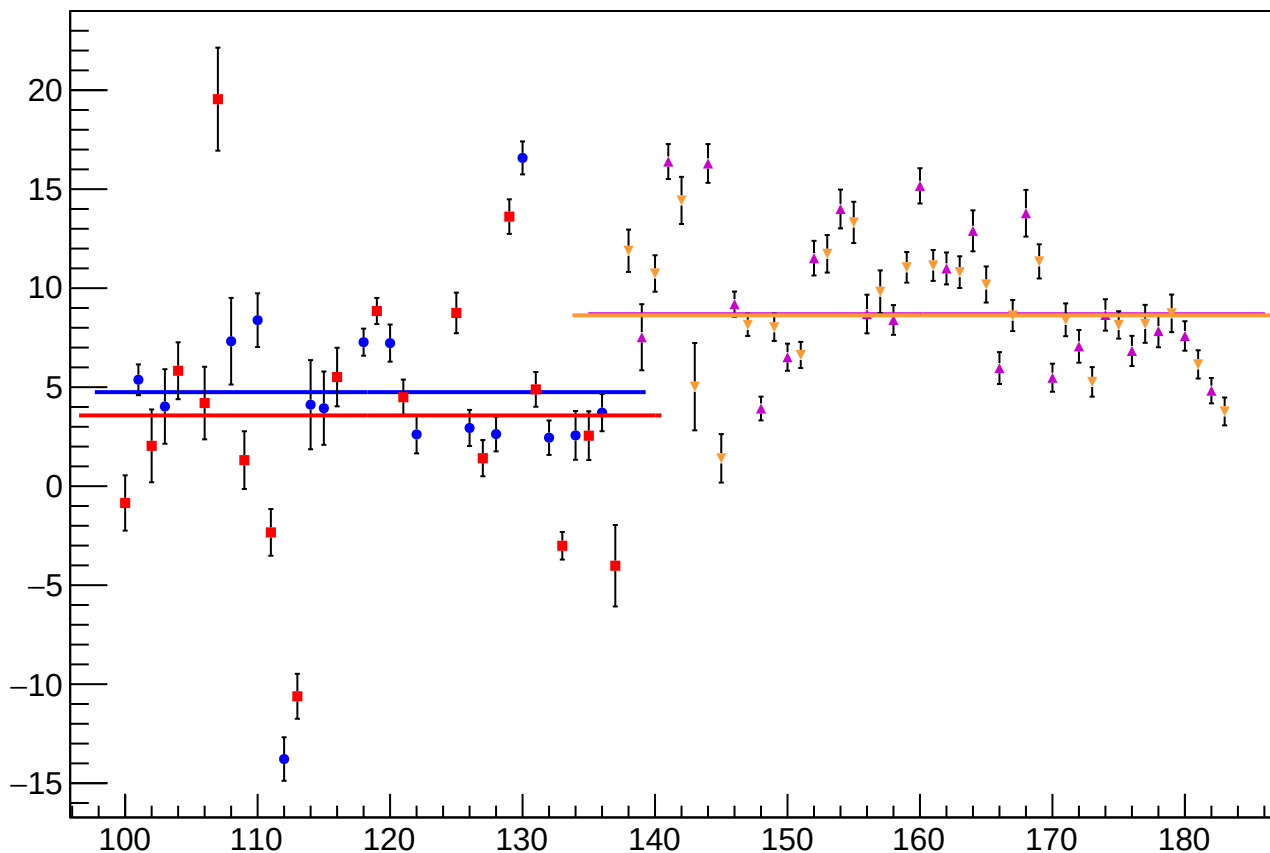
Right: 29.516 $\pm$ 0.291 χ^2 /NDF: 3612.7/33

In: 10.613 $\pm$ 0.176 χ^2 /NDF:4893.3/37

Out: 11.148 $\pm$ 0.174 χ^2 /NDF:6019.9/41

All: 10.883 $\pm$ 0.124 χ^2 /NDF: 10917.8/79

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.749 $\pm$ 0.254 χ^2 /NDF: 543.1/15

Left Out: 8.629 $\pm$ 0.170 χ^2 /NDF:239.9/23

Right Out: 3.573 $\pm$ 0.255 χ^2 /NDF: 570.4/17

Left In: 8.683 $\pm$ 0.172 χ^2 /NDF:428.6/21

Left: 8.656 $\pm$ 0.121 χ^2 /NDF: 668.5/45

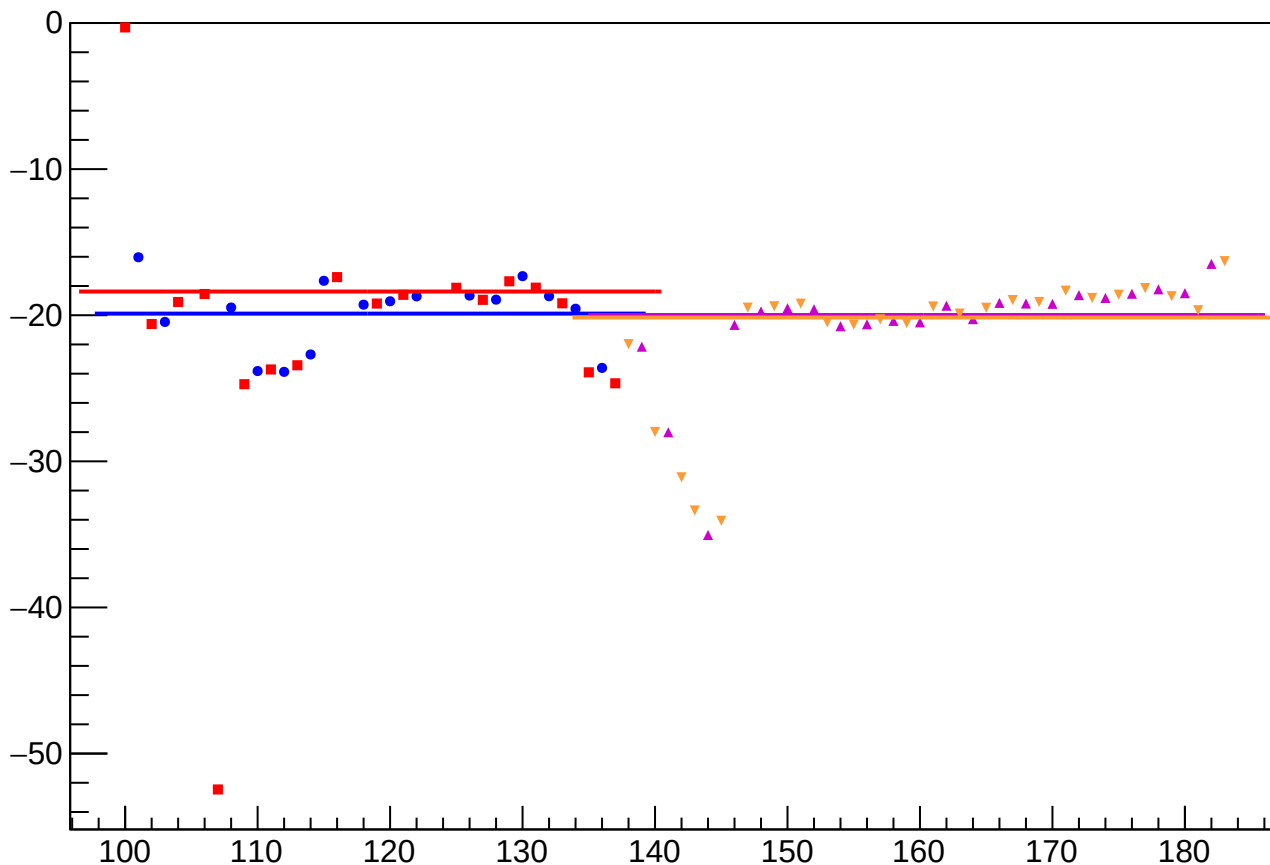
Right: 4.162 $\pm$ 0.180 χ^2 /NDF: 1124.1/33

In: 7.446 $\pm$ 0.143 χ^2 /NDF:1135.6/37

Out: 7.071 $\pm$ 0.141 χ^2 /NDF:1083.1/41

All: 7.257 $\pm$ 0.100 χ^2 /NDF: 2222.3/79

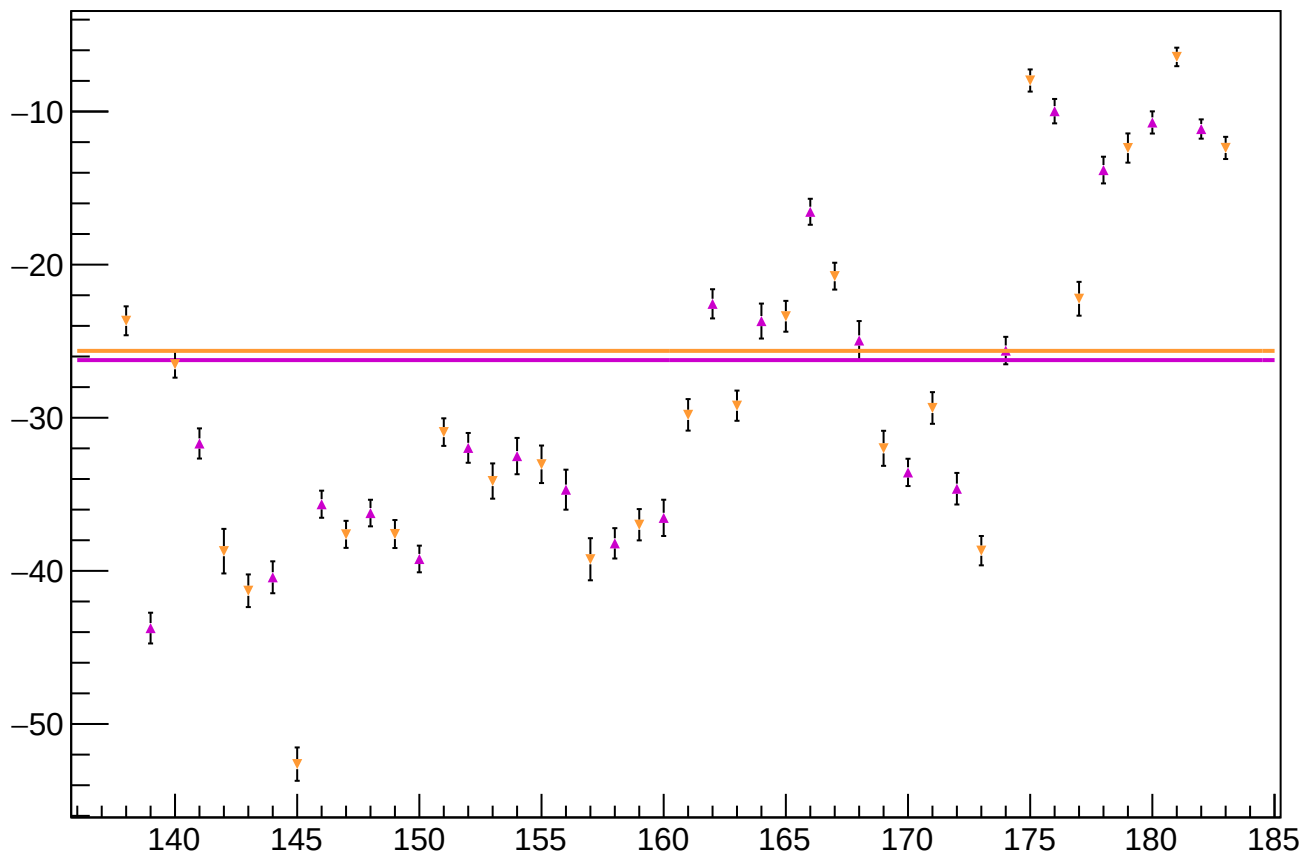
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26008.9/15$
 Left Out: -20.157 ± 0.008 $\chi^2/\text{NDF}: 179807.3/23$
 Right Out: -18.378 ± 0.015 $\chi^2/\text{NDF}: 301009.6/17$
 Left In: -19.986 ± 0.008 $\chi^2/\text{NDF}: 138846.5/21$

Left: -20.071 ± 0.006 $\chi^2/\text{NDF}: 318887.2/45$
 Right: -19.090 ± 0.011 $\chi^2/\text{NDF}: 331949.4/33$
 In: -19.966 ± 0.007 $\chi^2/\text{NDF}: 164885.3/37$
 Out: -19.756 ± 0.007 $\chi^2/\text{NDF}: 492058.6/41$
 All: -19.860 ± 0.005 $\chi^2/\text{NDF}: 657386.9/79$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -25.632+/-0.193 χ^2/NDF :4054.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -26.236+/-0.198 χ^2/NDF :3250.3/21

Left: -25.927+/-0.138 χ^2/NDF : 7309.1/45

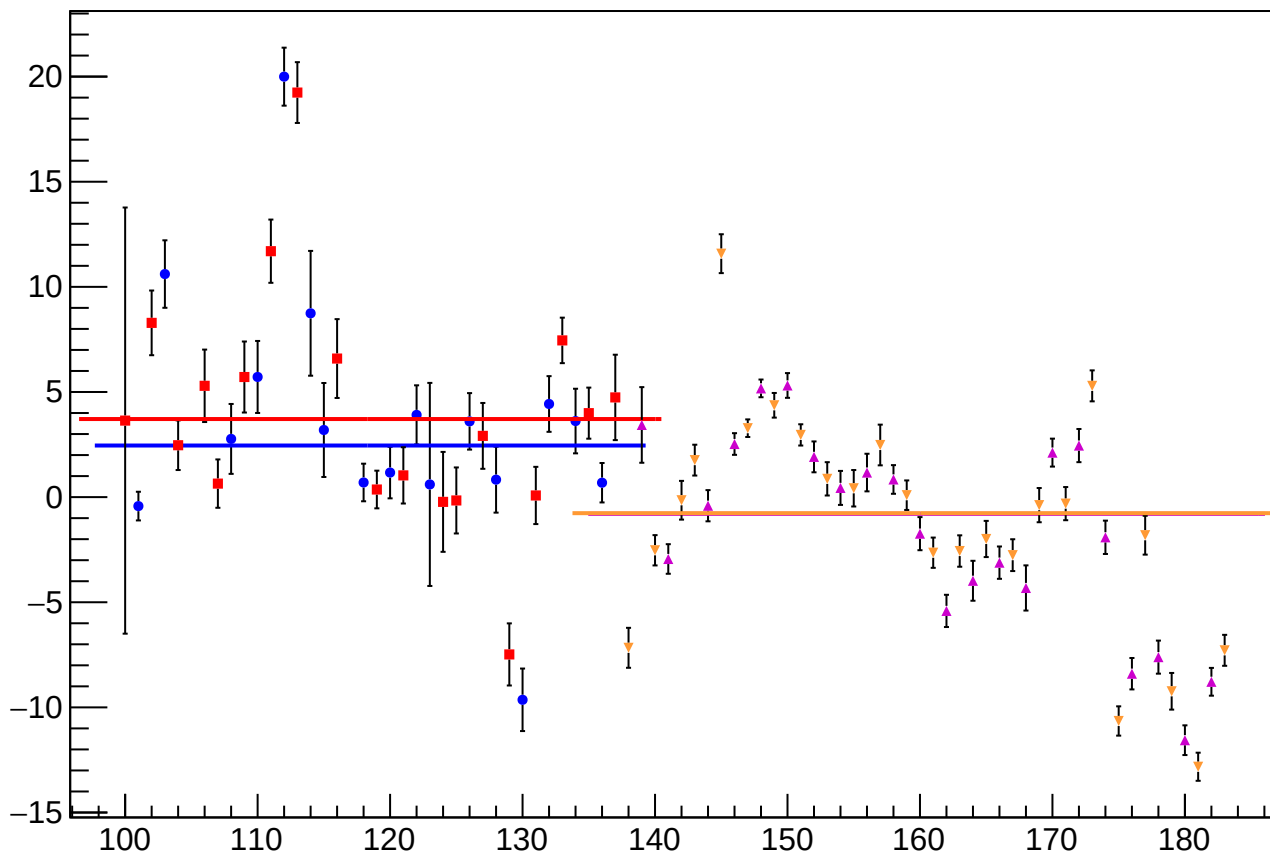
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.236+/-0.198 χ^2/NDF :3250.3/21

Out: -25.632+/-0.193 χ^2/NDF :4054.1/23

All: -25.927+/-0.138 χ^2/NDF : 7309.1/45

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.454 ± 0.315 $\chi^2/\text{NDF}: 294.3/16$

Left Out: -0.763 ± 0.147 $\chi^2/\text{NDF}: 1275.6/23$

Right Out: 3.714 ± 0.327 $\chi^2/\text{NDF}: 269.1/18$

Left In: -0.796 ± 0.152 $\chi^2/\text{NDF}: 1055.6/21$

Left: -0.779 ± 0.106 $\chi^2/\text{NDF}: 2331.2/45$

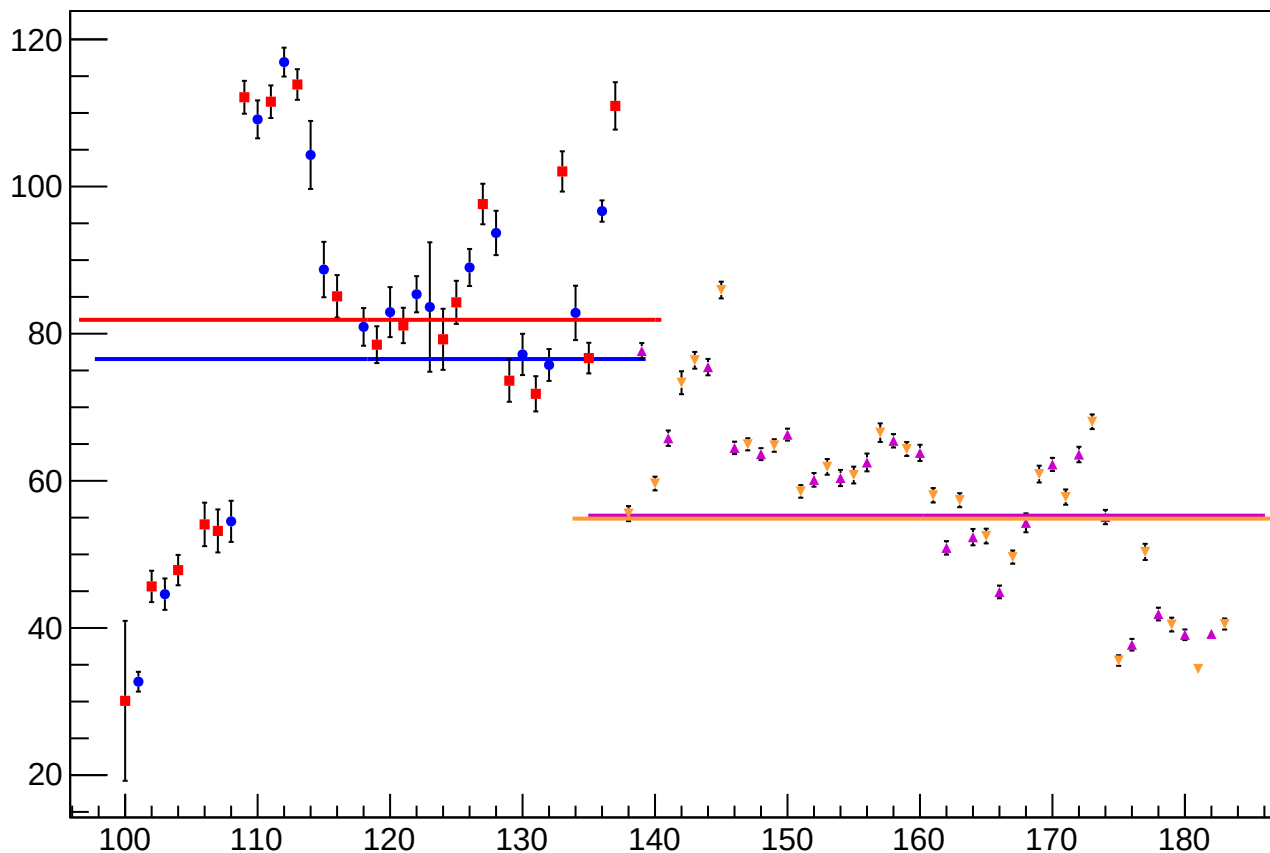
Right: 3.061 ± 0.227 $\chi^2/\text{NDF}: 571.1/35$

In: -0.182 ± 0.137 $\chi^2/\text{NDF}: 1436.4/38$

Out: -0.009 ± 0.134 $\chi^2/\text{NDF}: 1700.7/42$

All: -0.094 ± 0.096 $\chi^2/\text{NDF}: 3138.0/81$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.555 $\pm$ 0.577 χ^2 /NDF: 2252.8/16

Left Out: 54.864 $\pm$ 0.193 χ^2 /NDF: 4480.3/23

Right Out: 81.886 $\pm$ 0.593 χ^2 /NDF: 1570.8/18

Left In: 55.265 $\pm$ 0.196 χ^2 /NDF: 3665.8/21

Left: 55.062 $\pm$ 0.138 χ^2 /NDF: 8148.2/45

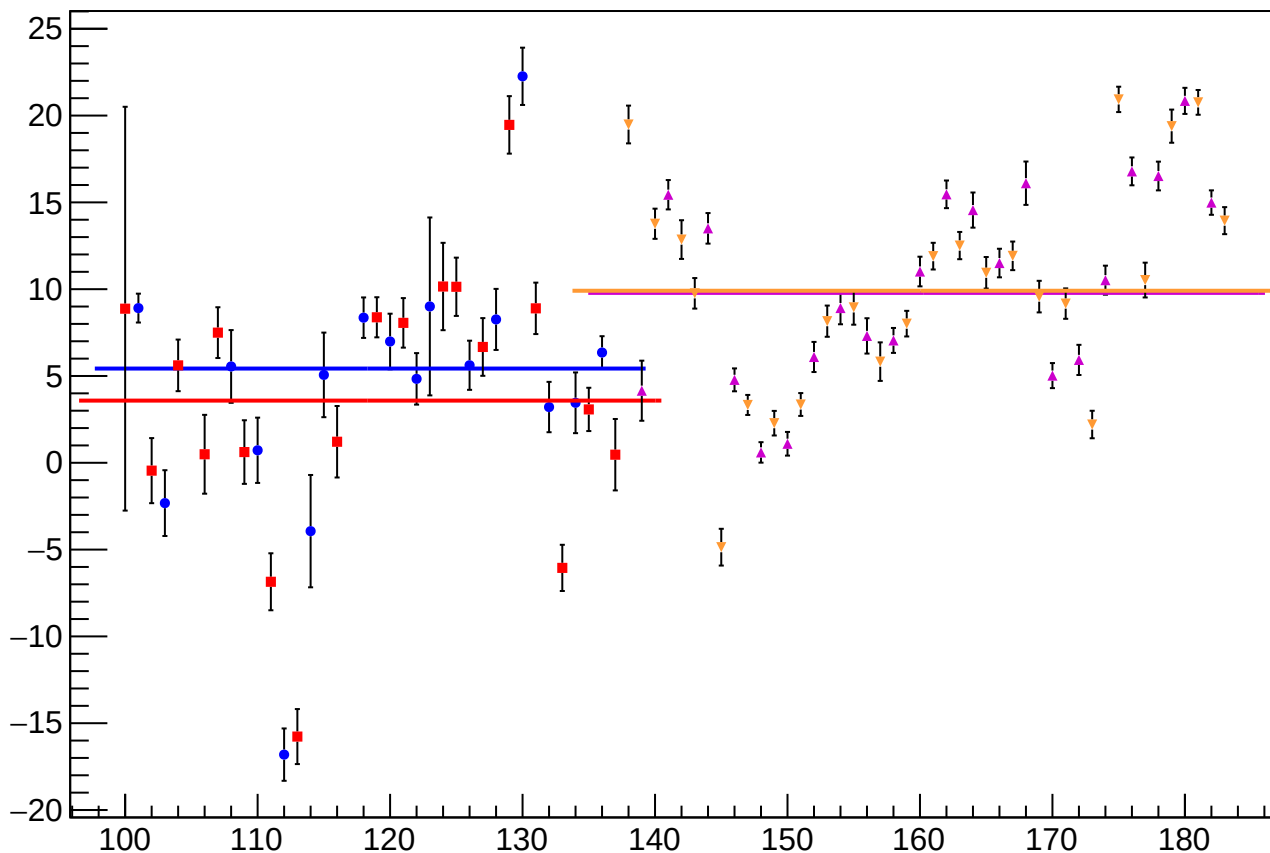
Right: 79.147 $\pm$ 0.413 χ^2 /NDF: 3865.1/35

In: 57.470 $\pm$ 0.186 χ^2 /NDF: 7139.3/38

Out: 57.451 $\pm$ 0.183 χ^2 /NDF: 7929.5/42

All: 57.461 $\pm$ 0.130 χ^2 /NDF: 15068.8/81

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.428 ± 0.361 χ^2/NDF : 385.7/16

Left Out: 9.909 ± 0.169 χ^2/NDF : 1374.3/23

Right Out: 3.582 ± 0.376 χ^2/NDF : 421.6/18

Left In: 9.787 ± 0.173 χ^2/NDF : 1158.3/21

Left: 9.850 ± 0.121 χ^2/NDF : 2532.9/45

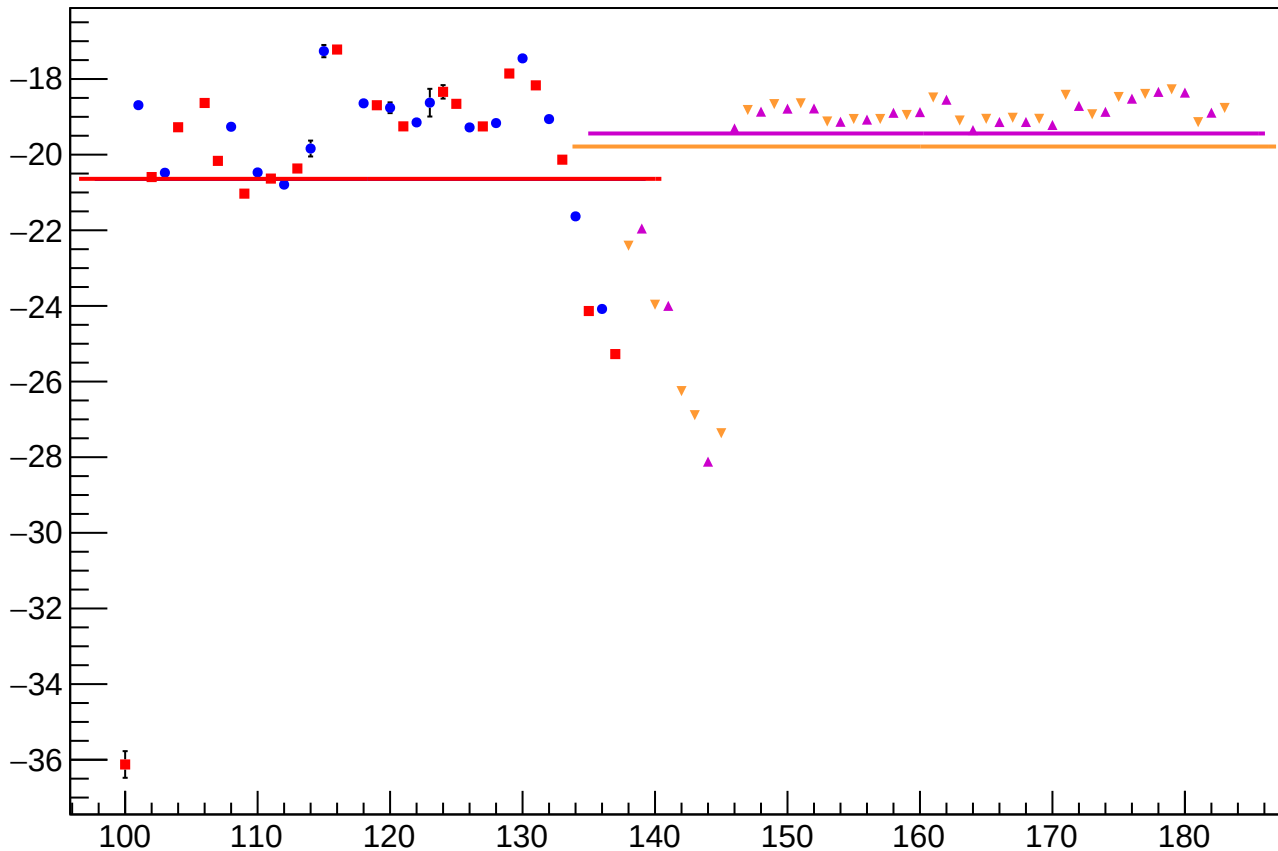
Right: 4.542 ± 0.260 χ^2/NDF : 819.8/35

In: 8.969 ± 0.156 χ^2/NDF : 1662.5/38

Out: 8.845 ± 0.154 χ^2/NDF : 2032.0/42

All: 8.906 ± 0.110 χ^2/NDF : 3694.8/81

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.644 $\pm$ 0.019 χ^2 /NDF: 12424.2/16

Left Out: -19.785 $\pm$ 0.008 χ^2 /NDF: 91349.1/23

Right Out: -20.640 $\pm$ 0.019 χ^2 /NDF: 13785.9/18

Left In: -19.440 $\pm$ 0.008 χ^2 /NDF: 53154.4/21

Left: -19.615 $\pm$ 0.006 χ^2 /NDF: 145431.9/45

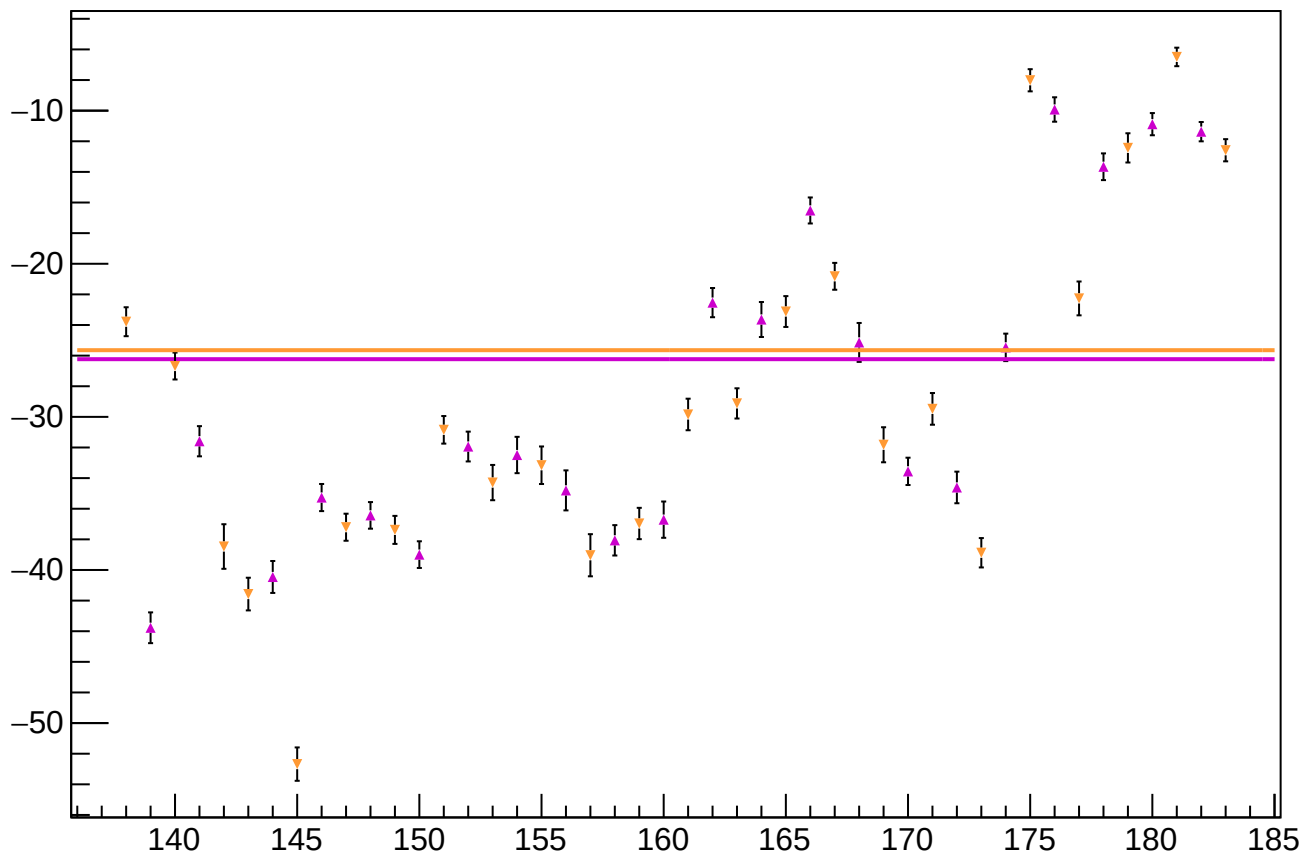
Right: -20.642 $\pm$ 0.014 χ^2 /NDF: 26210.1/35

In: -19.618 $\pm$ 0.007 χ^2 /NDF: 68876.2/38

Out: -19.908 $\pm$ 0.007 χ^2 /NDF: 106784.9/42

All: -19.764 $\pm$ 0.005 χ^2 /NDF: 176429.3/81

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -25.645+/-0.193 χ^2/NDF : 4022.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -26.232+/-0.198 χ^2/NDF : 3216.8/21

Left: -25.932+/-0.138 χ^2/NDF : 7243.4/45

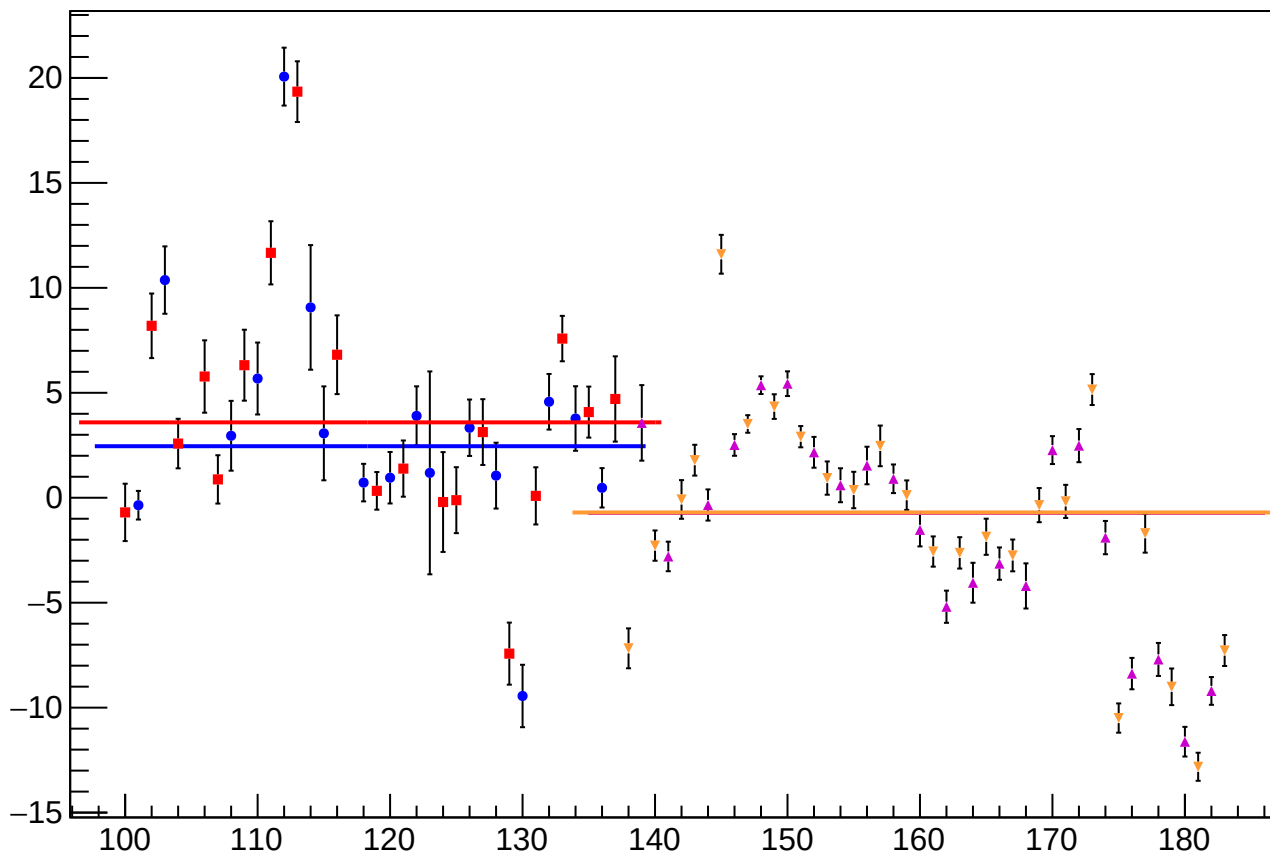
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.232+/-0.198 χ^2/NDF : 3216.8/21

Out: -25.645+/-0.193 χ^2/NDF : 4022.1/23

All: -25.932+/-0.138 χ^2/NDF : 7243.4/45

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 $\pm$ 0.315 χ^2 /NDF: 292.3/16

Left Out: -0.702 $\pm$ 0.147 χ^2 /NDF:1267.8/23

Right Out: 3.592 $\pm$ 0.318 χ^2 /NDF: 280.0/18

Left In: -0.724 $\pm$ 0.152 χ^2 /NDF:1094.4/21

Left: -0.713 $\pm$ 0.106 χ^2 /NDF: 2362.2/45

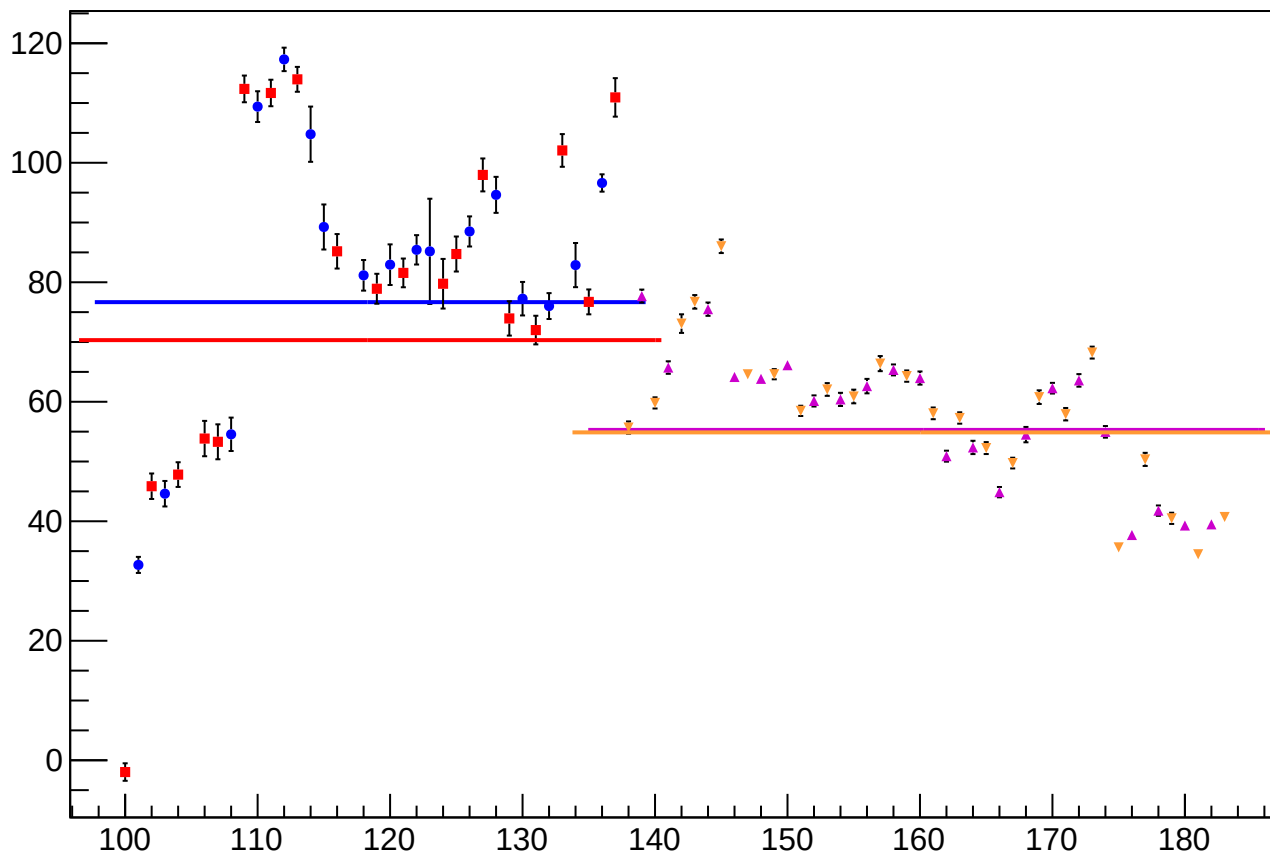
Right: 3.018 $\pm$ 0.224 χ^2 /NDF: 578.8/35

In: -0.124 $\pm$ 0.137 χ^2 /NDF:1469.4/38

Out: 0.055 $\pm$ 0.134 χ^2 /NDF:1697.9/42

All: -0.032 $\pm$ 0.096 χ^2 /NDF: 3168.2/81

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.675 +/- 0.577 χ^2/NDF : 2264.8/16

Left Out: 54.876 +/- 0.193 χ^2/NDF : 4459.8/23

Right Out: 70.316 +/- 0.551 χ^2/NDF : 4387.2/18

Left In: 55.291 +/- 0.196 χ^2/NDF : 3626.9/21

Left: 55.080 +/- 0.138 χ^2/NDF : 8089.0/45

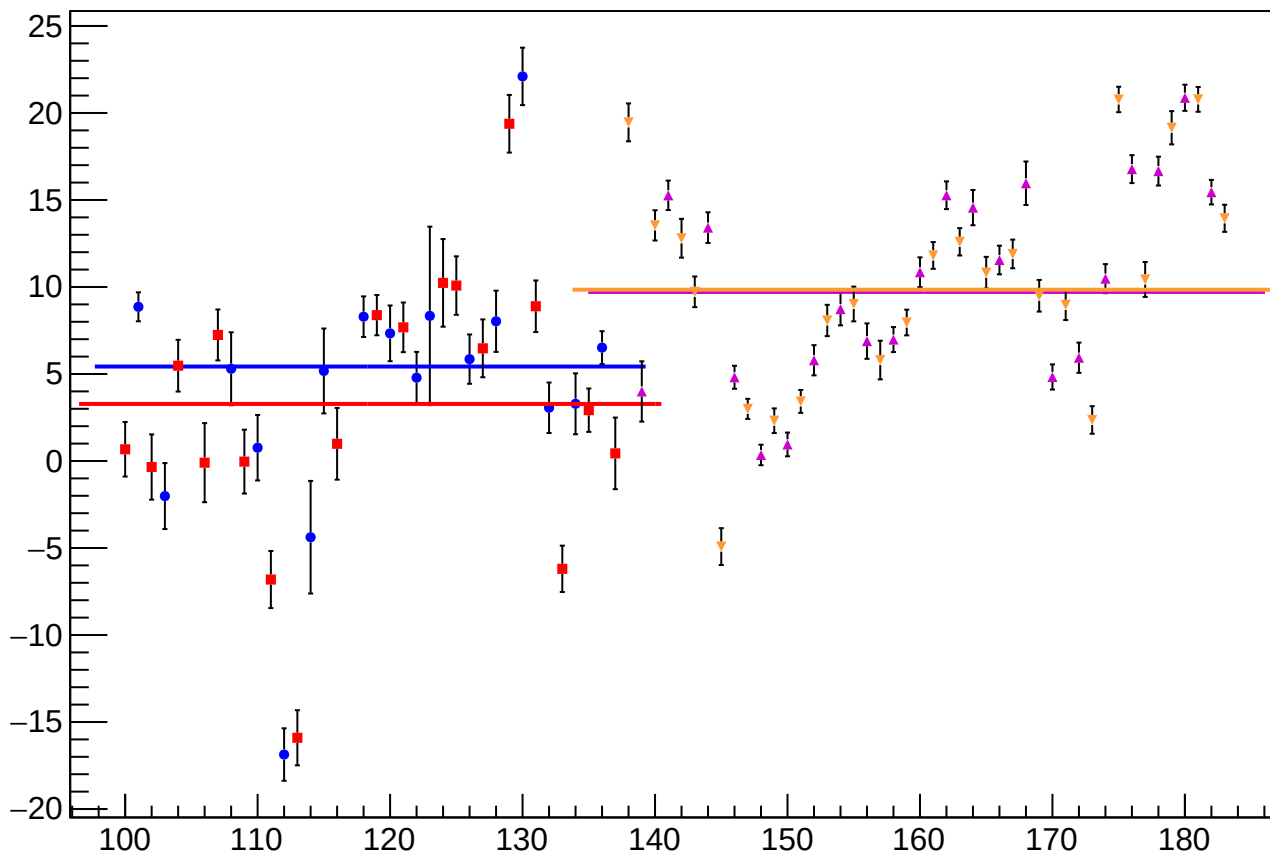
Right: 73.345 +/- 0.398 χ^2/NDF : 6715.6/35

In: 57.506 +/- 0.186 χ^2/NDF : 7121.9/38

Out: 56.566 +/- 0.182 χ^2/NDF : 9547.6/42

All: 57.027 +/- 0.130 χ^2/NDF : 16682.5/81

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.428 ± 0.361 χ^2/NDF : 384.2/16

Left Out: 9.844 ± 0.169 χ^2/NDF : 1368.9/23

Right Out: 3.280 ± 0.366 χ^2/NDF : 425.0/18

Left In: 9.717 ± 0.174 χ^2/NDF : 1190.5/21

Left: 9.782 ± 0.121 χ^2/NDF : 2559.6/45

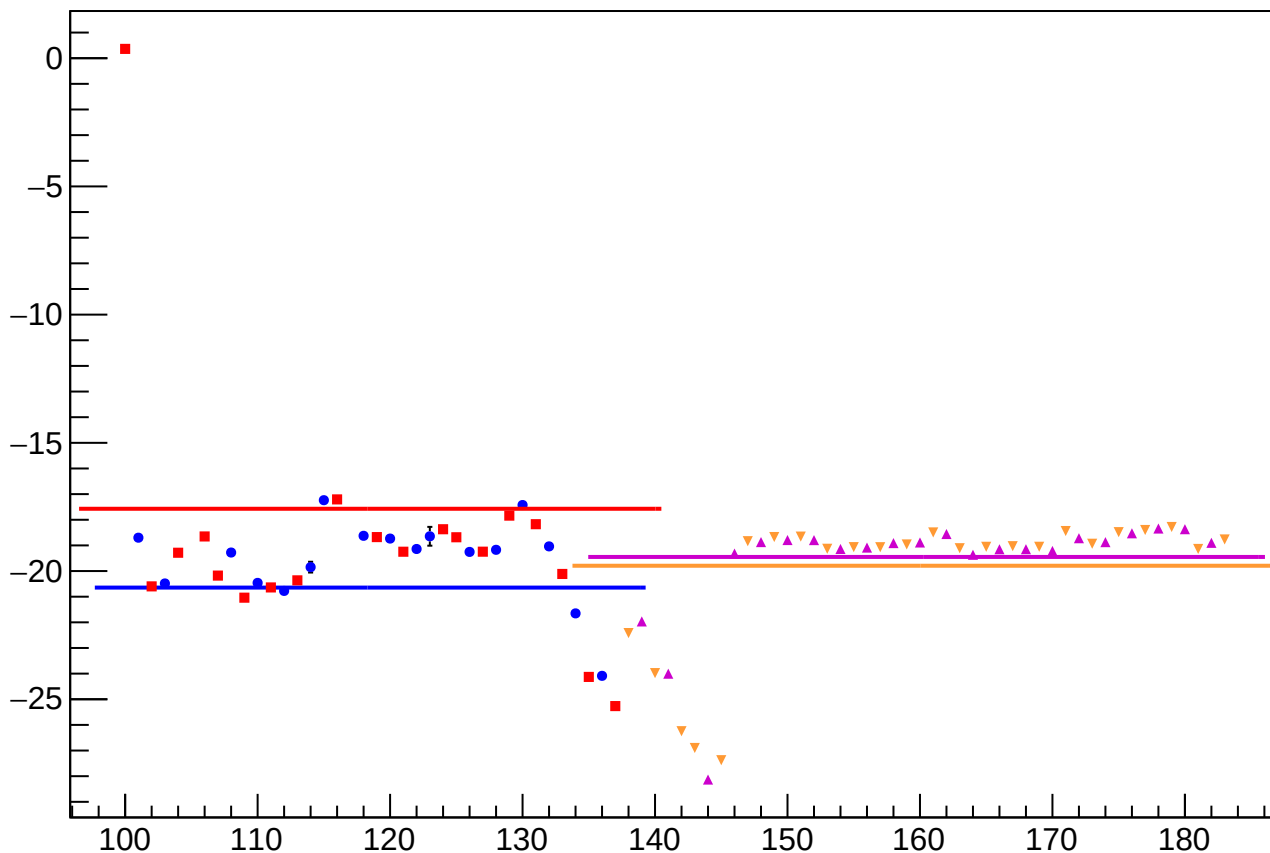
Right: 4.367 ± 0.257 χ^2/NDF : 826.7/35

In: 8.912 ± 0.156 χ^2/NDF : 1689.2/38

Out: 8.688 ± 0.153 χ^2/NDF : 2059.5/42

All: 8.798 ± 0.110 χ^2/NDF : 3749.8/81

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected

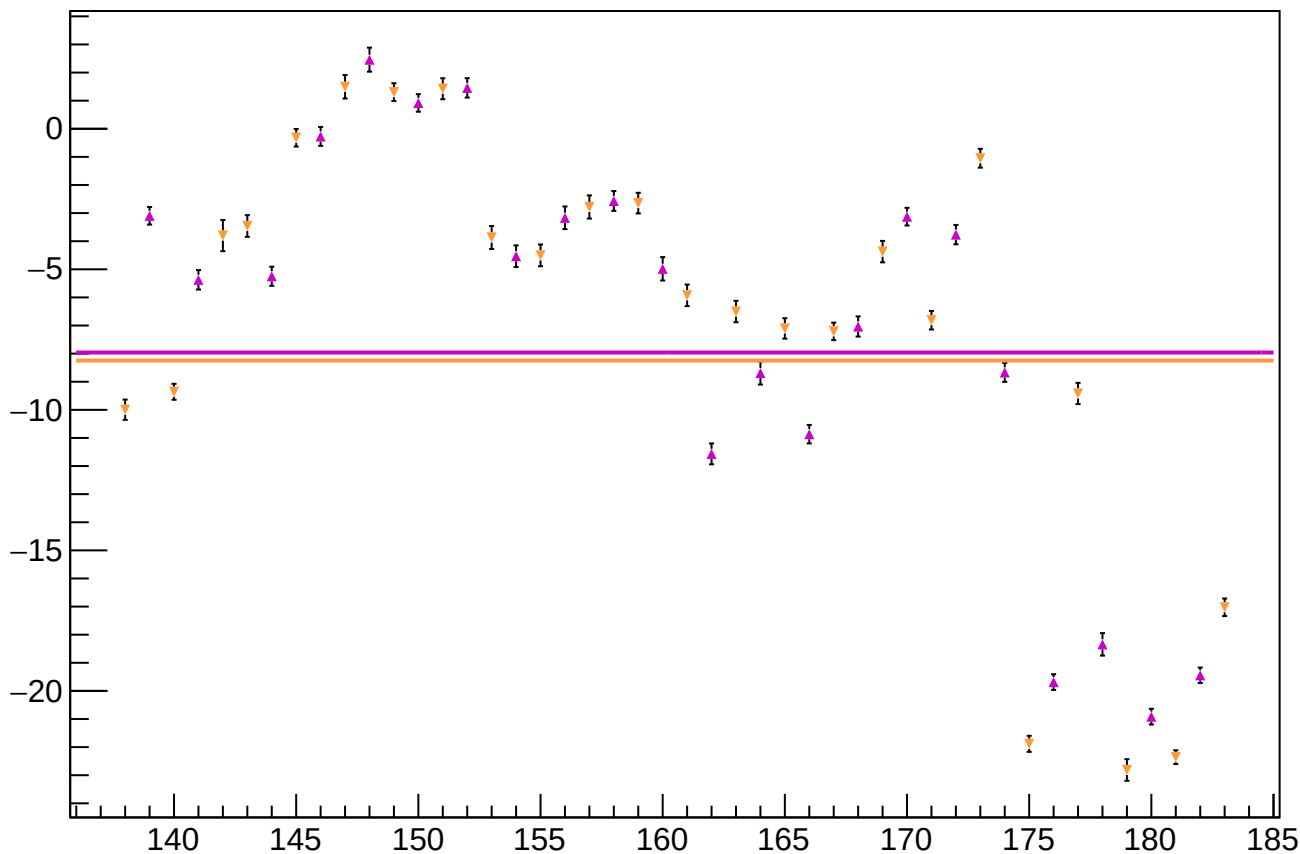


Right In: -20.645 ± 0.019 $\chi^2/\text{NDF}: 12462.7/16$
 Left Out: -19.793 ± 0.008 $\chi^2/\text{NDF}: 91244.2/23$
 Right Out: -17.571 ± 0.018 $\chi^2/\text{NDF}: 178318.0/18$
 Left In: -19.450 ± 0.008 $\chi^2/\text{NDF}: 53106.6/21$

Left: -19.623 ± 0.006 $\chi^2/\text{NDF}: 145269.4/45$
 Right: -19.000 ± 0.013 $\chi^2/\text{NDF}: 204267.4/35$
 In: -19.626 ± 0.007 $\chi^2/\text{NDF}: 68818.0/38$
 Out: -19.431 ± 0.007 $\chi^2/\text{NDF}: 282248.4/42$

All: -19.526 ± 0.005 $\chi^2/\text{NDF}: 351418.5/81$

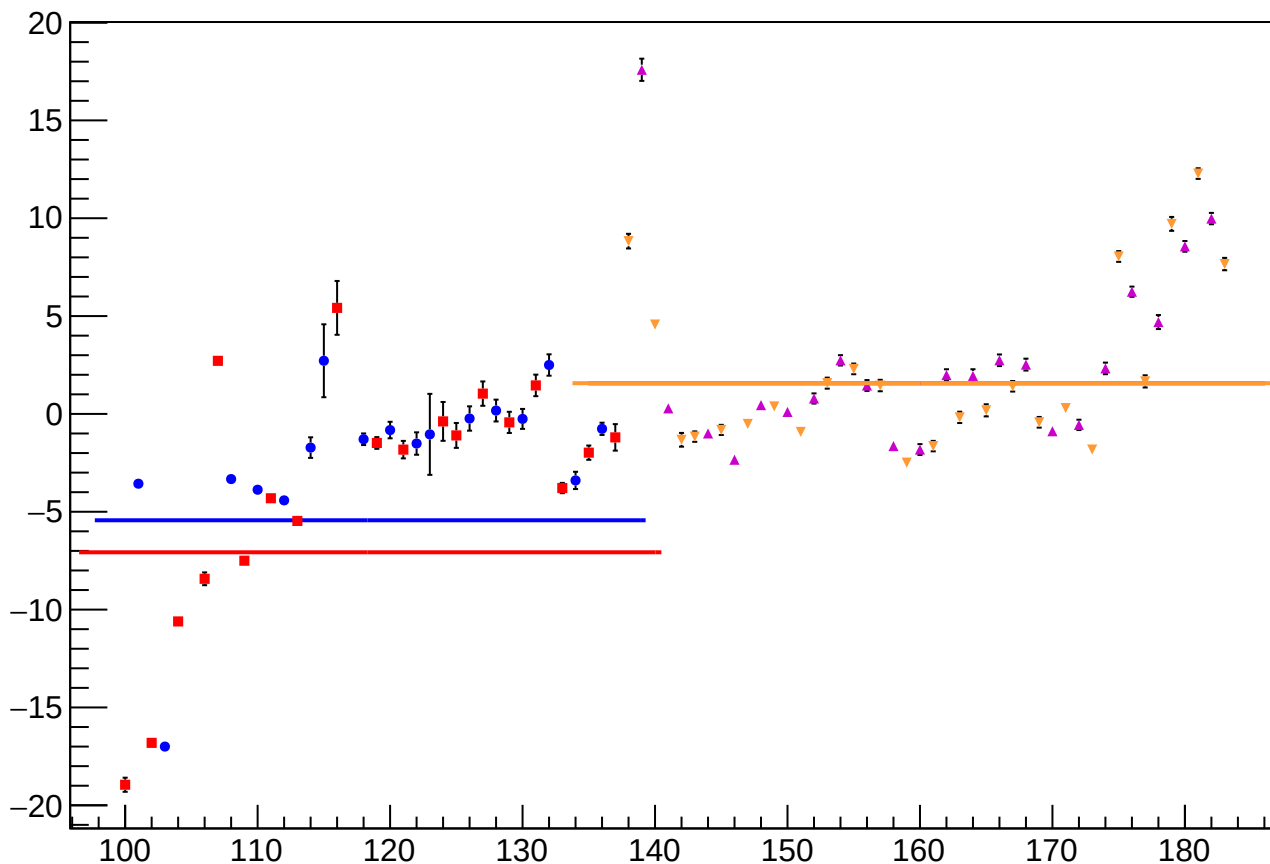
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.246 $\pm$ 0.071 χ^2 /NDF:12104.4/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.960 $\pm$ 0.073 χ^2 /NDF:10412.9/21

Left: -8.106 $\pm$ 0.051 χ^2 /NDF: 22525.2/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.960 $\pm$ 0.073 χ^2 /NDF:10412.9/21
 Out: -8.246 $\pm$ 0.071 χ^2 /NDF:12104.4/23
 All: -8.106 $\pm$ 0.051 χ^2 /NDF: 22525.2/45

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.435 ± 0.055 χ^2/NDF : 9226.6/16

Left Out: 1.570 ± 0.055 χ^2/NDF : 4784.6/23

Right Out: -7.071 ± 0.059 χ^2/NDF : 12294.3/18

Left In: 1.563 ± 0.057 χ^2/NDF : 3795.2/21

Left: 1.567 ± 0.039 χ^2/NDF : 8579.7/45

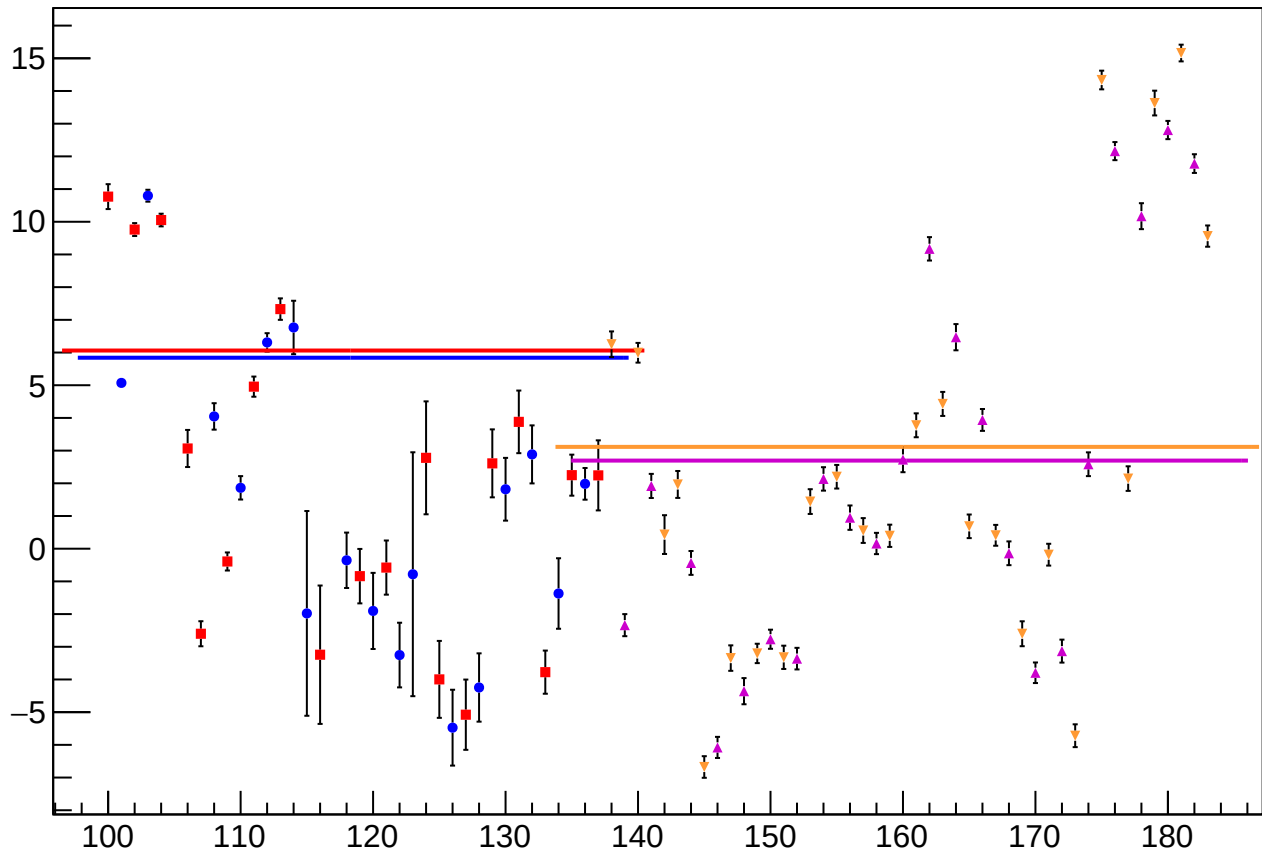
Right: -6.194 ± 0.040 χ^2/NDF : 21932.5/35

In: -2.065 ± 0.040 χ^2/NDF : 20851.6/38

Out: -2.425 ± 0.040 χ^2/NDF : 28594.7/42

All: -2.242 ± 0.028 χ^2/NDF : 49487.4/81

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.842 $\pm$ 0.090 χ^2 /NDF: 1436.5/16

Left Out: 3.115 $\pm$ 0.071 χ^2 /NDF: 8284.9/23

Right Out: 6.062 $\pm$ 0.093 χ^2 /NDF: 2664.6/18

Left In: 2.695 $\pm$ 0.072 χ^2 /NDF: 7157.0/21

Left: 2.908 $\pm$ 0.051 χ^2 /NDF: 15459.0/45

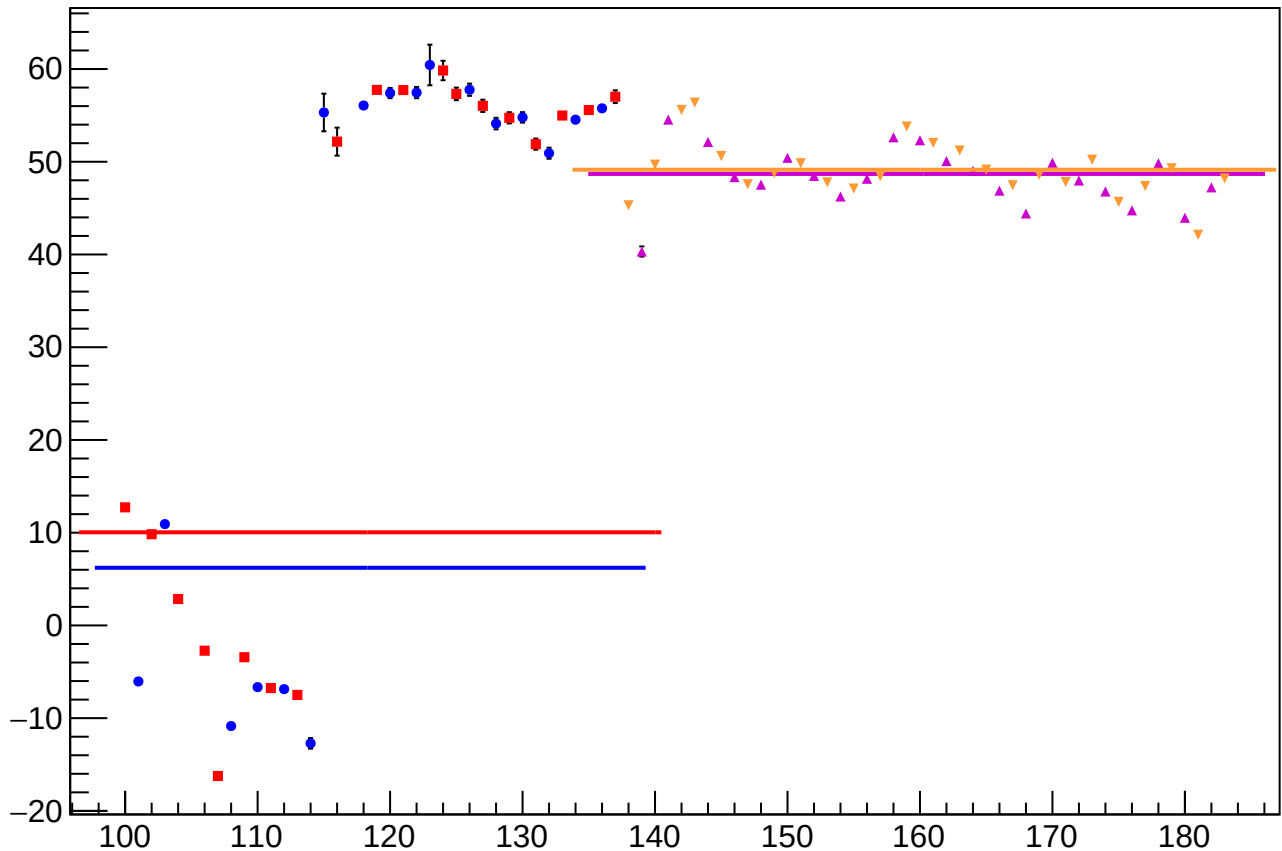
Right: 5.947 $\pm$ 0.065 χ^2 /NDF: 4104.0/35

In: 3.931 $\pm$ 0.056 χ^2 /NDF: 9340.9/38

Out: 4.192 $\pm$ 0.056 χ^2 /NDF: 11581.6/42

All: 4.061 $\pm$ 0.040 χ^2 /NDF: 20933.3/81

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.217 ± 0.065 $\chi^2/\text{NDF}: 120600.0/16$

Left Out: 49.140 ± 0.062 $\chi^2/\text{NDF}: 2251.3/23$

Right Out: 10.040 ± 0.070 $\chi^2/\text{NDF}: 121726.0/18$

Left In: 48.684 ± 0.064 $\chi^2/\text{NDF}: 2036.5/21$

Left: 48.919 ± 0.045 $\chi^2/\text{NDF}: 4313.7/45$

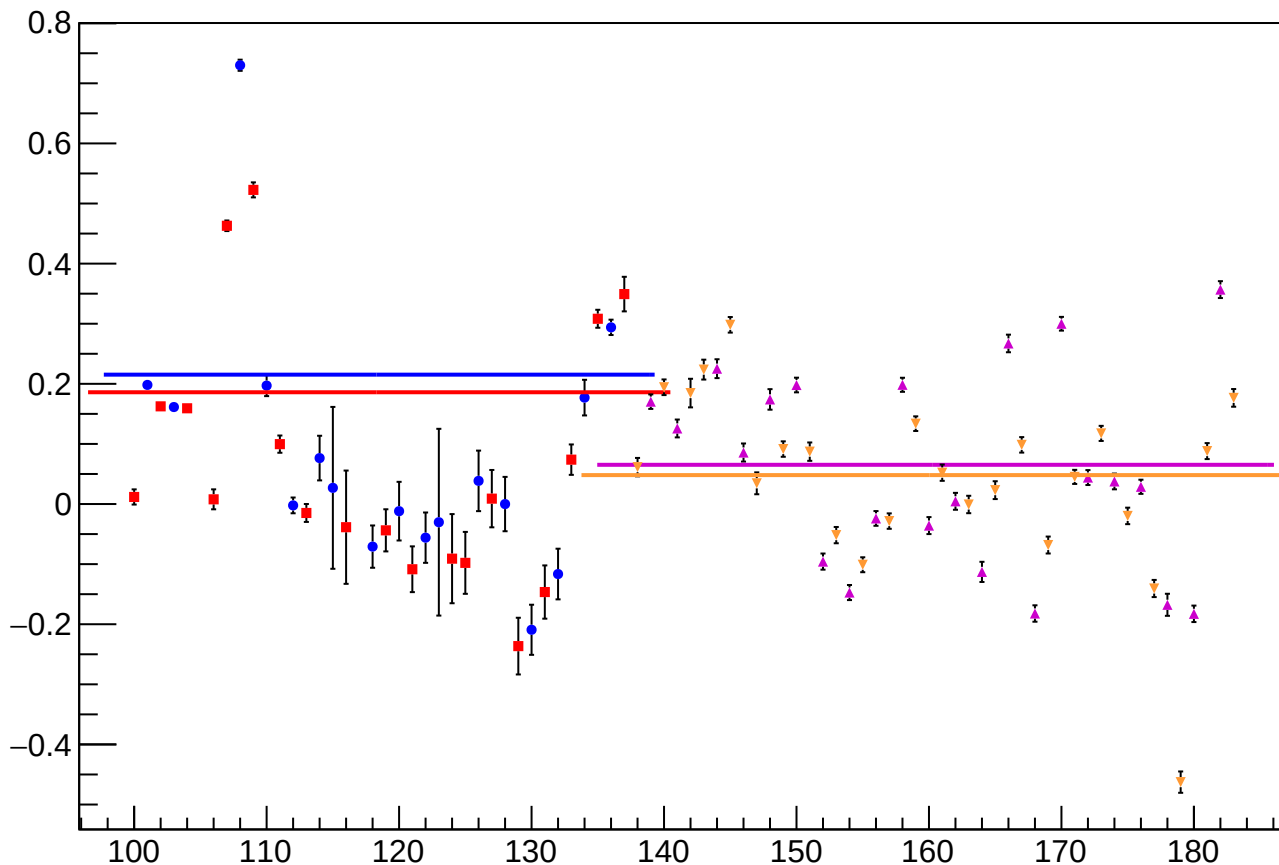
Right: 7.989 ± 0.048 $\chi^2/\text{NDF}: 243936.5/35$

In: 27.660 ± 0.046 $\chi^2/\text{NDF}: 339102.6/38$

Out: 31.811 ± 0.046 $\chi^2/\text{NDF}: 298882.0/42$

All: 29.699 ± 0.033 $\chi^2/\text{NDF}: 642049.4/81$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215+/-0.003 χ^2/NDF : 3923.9/16

Left Out: 0.048+/-0.003 χ^2/NDF : 2186.8/23

Right Out: 0.186+/-0.003 χ^2/NDF : 2715.5/18

Left In: 0.065+/-0.003 χ^2/NDF : 3030.6/21

Left: 0.057+/-0.002 χ^2/NDF : 5235.2/45

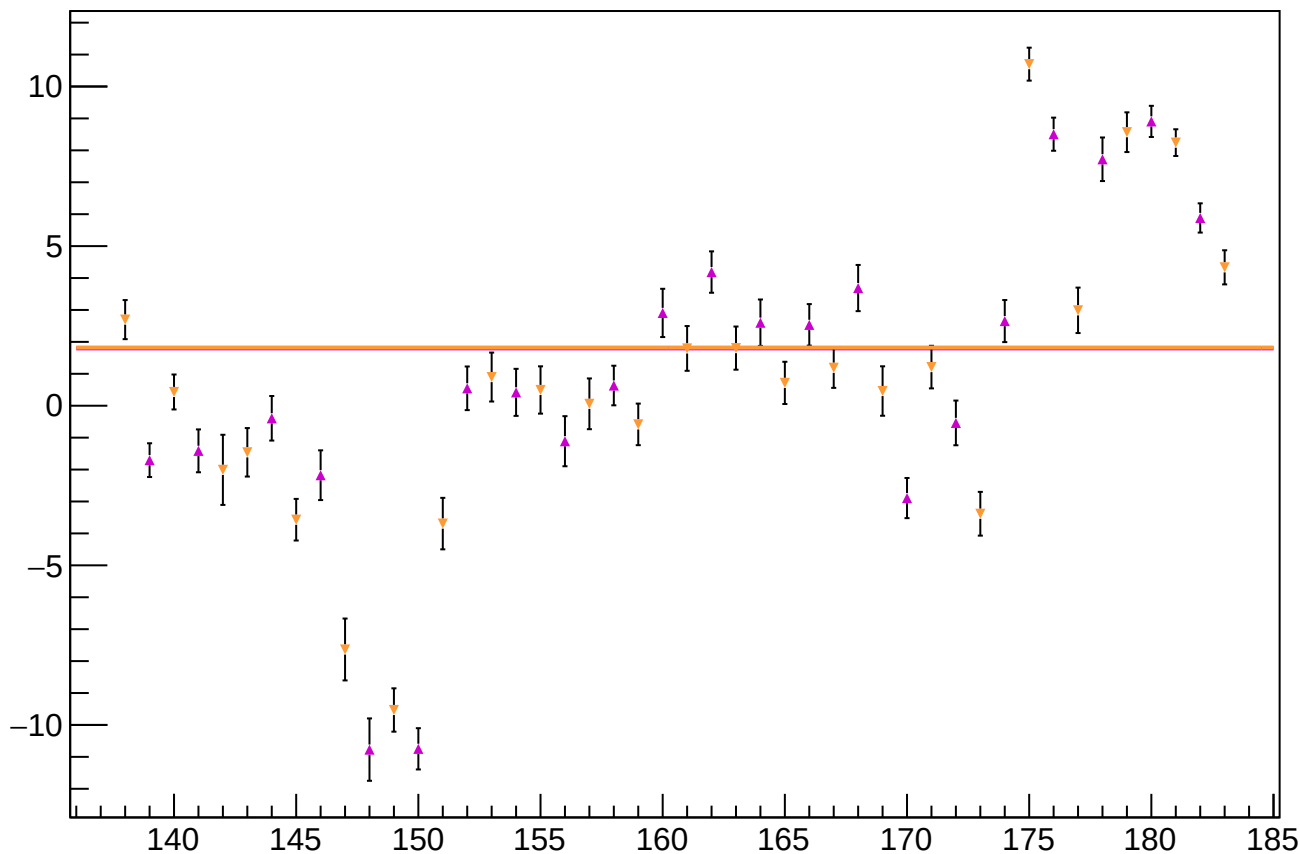
Right: 0.200+/-0.002 χ^2/NDF : 6697.0/35

In: 0.143+/-0.002 χ^2/NDF : 8360.5/38

Out: 0.121+/-0.002 χ^2/NDF : 6138.0/42

All: 0.132+/-0.001 χ^2/NDF : 14561.2/81

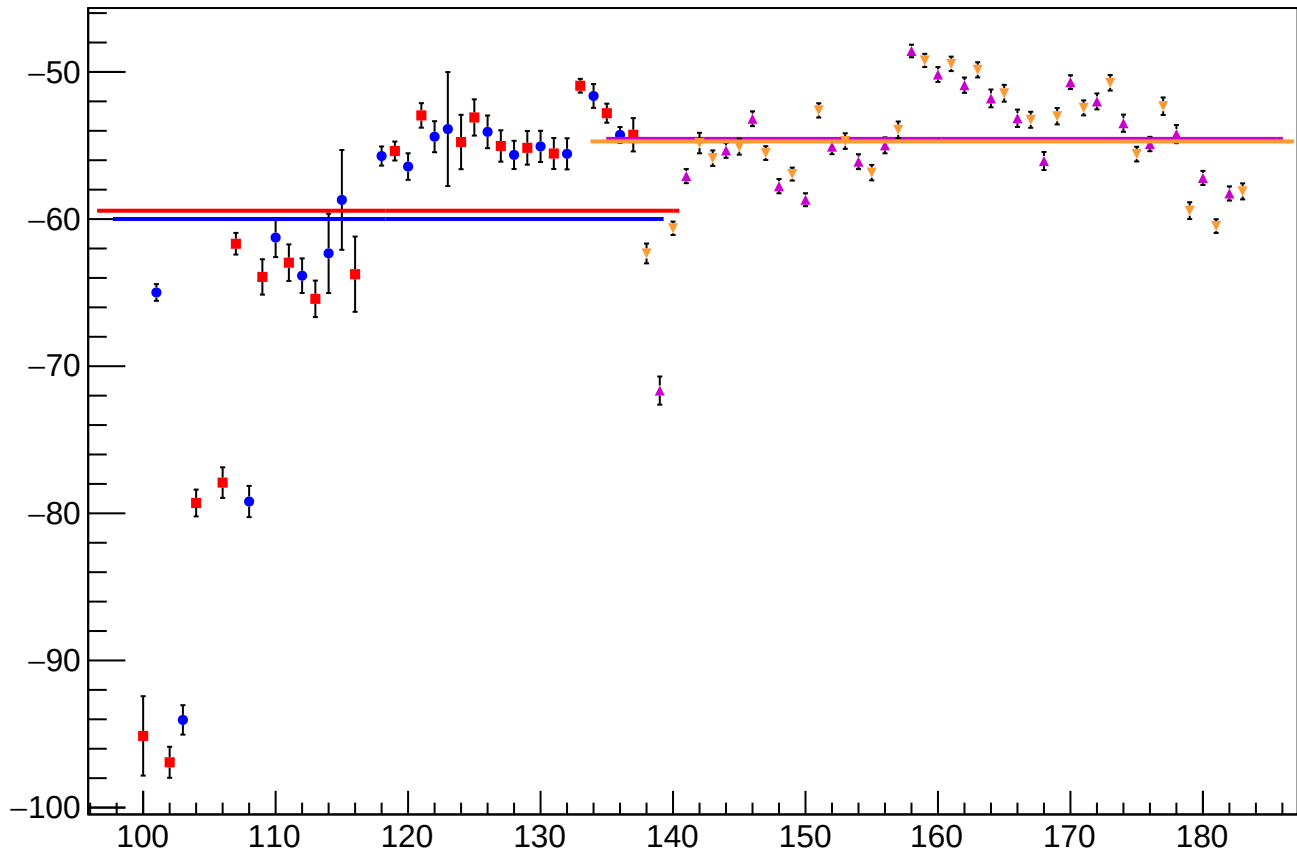
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.822 $\pm$ 0.134 χ^2 /NDF:1291.1/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.796 $\pm$ 0.137 χ^2 /NDF:1296.4/21

Left: 1.810 $\pm$ 0.096 χ^2 /NDF: 2587.5/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.796 $\pm$ 0.137 χ^2 /NDF:1296.4/21
 Out: 1.822 $\pm$ 0.134 χ^2 /NDF:1291.1/23
 All: 1.810 $\pm$ 0.096 χ^2 /NDF: 2587.5/45

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.993 ± 0.225 χ^2/NDF : 1973.4/16

Left Out: -54.723 ± 0.106 χ^2/NDF : 1124.5/23

Right Out: -59.431 ± 0.212 χ^2/NDF : 2920.1/18

Left In: -54.548 ± 0.111 χ^2/NDF : 1033.2/21

Left: -54.639 ± 0.077 χ^2/NDF : 2159.0/45

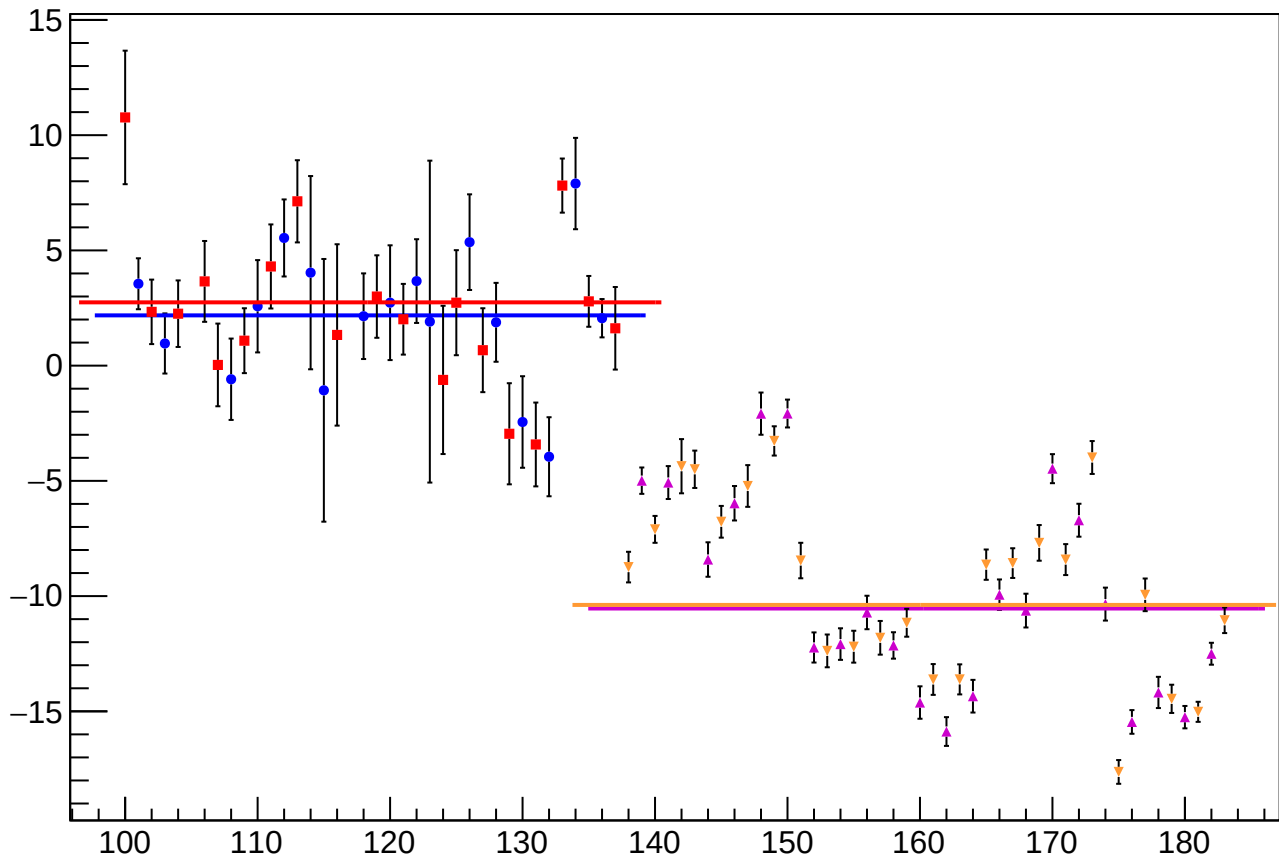
Right: -59.696 ± 0.154 χ^2/NDF : 4896.8/35

In: -55.610 ± 0.099 χ^2/NDF : 3477.1/38

Out: -55.671 ± 0.095 χ^2/NDF : 4438.1/42

All: -55.642 ± 0.069 χ^2/NDF : 7915.4/81

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.2/16$

Left Out: -10.383 ± 0.134 $\chi^2/\text{NDF}: 849.9/23$

Right Out: 2.746 ± 0.388 $\chi^2/\text{NDF}: 58.7/18$

Left In: -10.539 ± 0.136 $\chi^2/\text{NDF}: 988.5/21$

Left: -10.459 ± 0.096 $\chi^2/\text{NDF}: 1839.1/45$

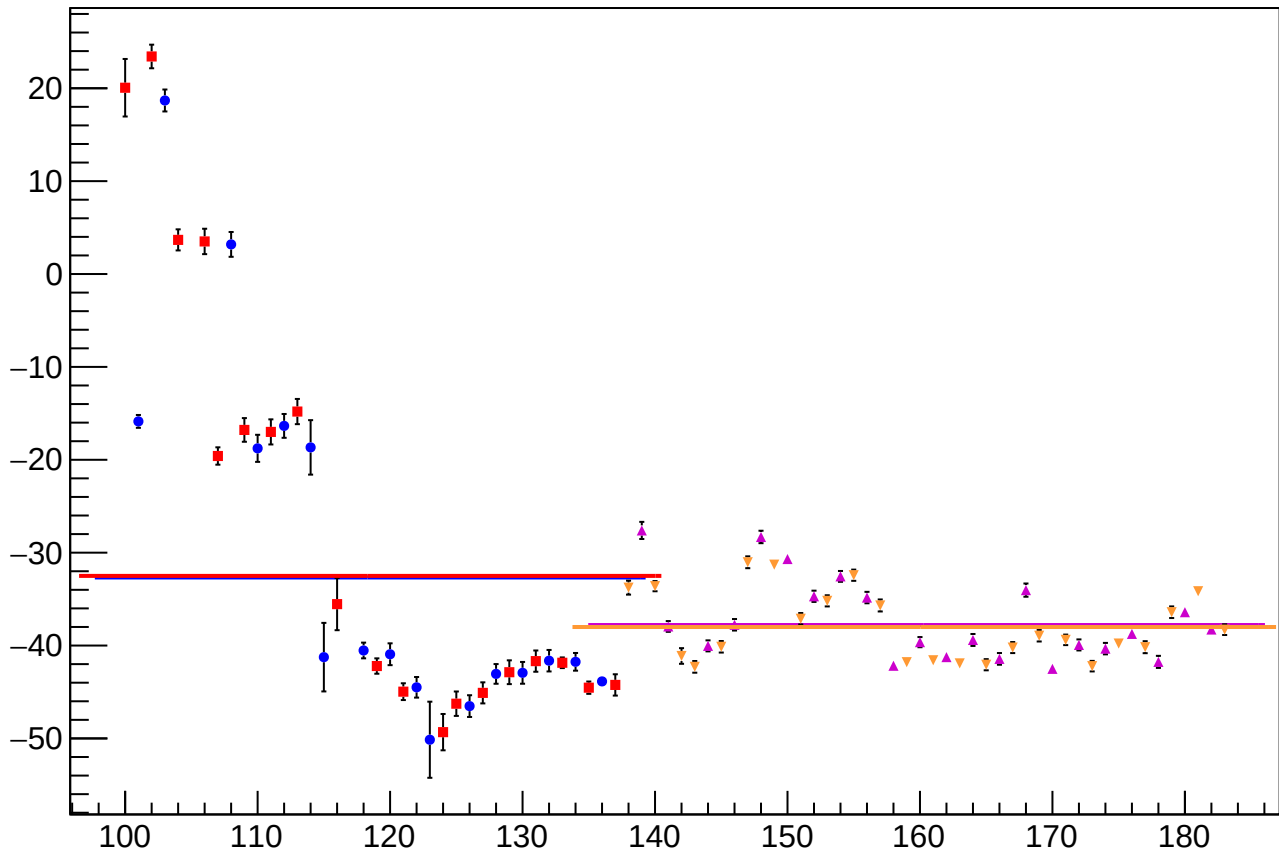
Right: 2.476 ± 0.281 $\chi^2/\text{NDF}: 98.8/35$

In: -9.249 ± 0.129 $\chi^2/\text{NDF}: 1909.3/38$

Out: -8.987 ± 0.127 $\chi^2/\text{NDF}: 1929.5/42$

All: -9.115 ± 0.090 $\chi^2/\text{NDF}: 3840.8/81$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.671 ± 0.256 χ^2/NDF : 4642.6/16

Left Out: -38.005 ± 0.120 χ^2/NDF : 946.0/23

Right Out: -32.501 ± 0.244 χ^2/NDF : 6042.9/18

Left In: -37.790 ± 0.124 χ^2/NDF : 1038.8/21

Left: -37.901 ± 0.086 χ^2/NDF : 1986.3/45

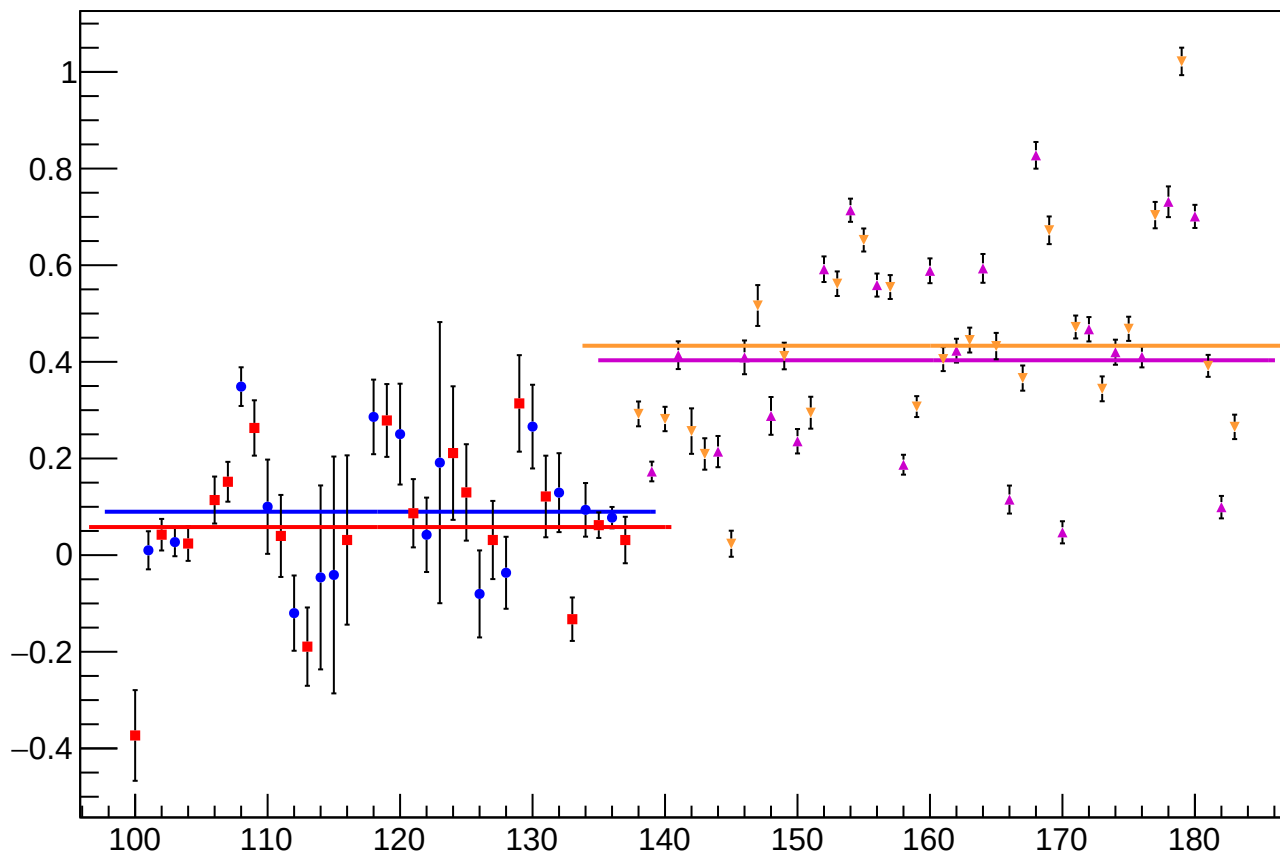
Right: -32.582 ± 0.177 χ^2/NDF : 10685.8/35

In: -36.823 ± 0.111 χ^2/NDF : 6005.6/38

Out: -36.939 ± 0.108 χ^2/NDF : 7398.2/42

All: -36.883 ± 0.077 χ^2/NDF : 13404.4/81

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 79.1/16

Left Out: 0.433 $\pm$ 0.005 χ^2 /NDF:1216.9/23

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.0/18

Left In: 0.403 $\pm$ 0.005 χ^2 /NDF:1694.9/21

Left: 0.418 $\pm$ 0.004 χ^2 /NDF: 2927.0/45

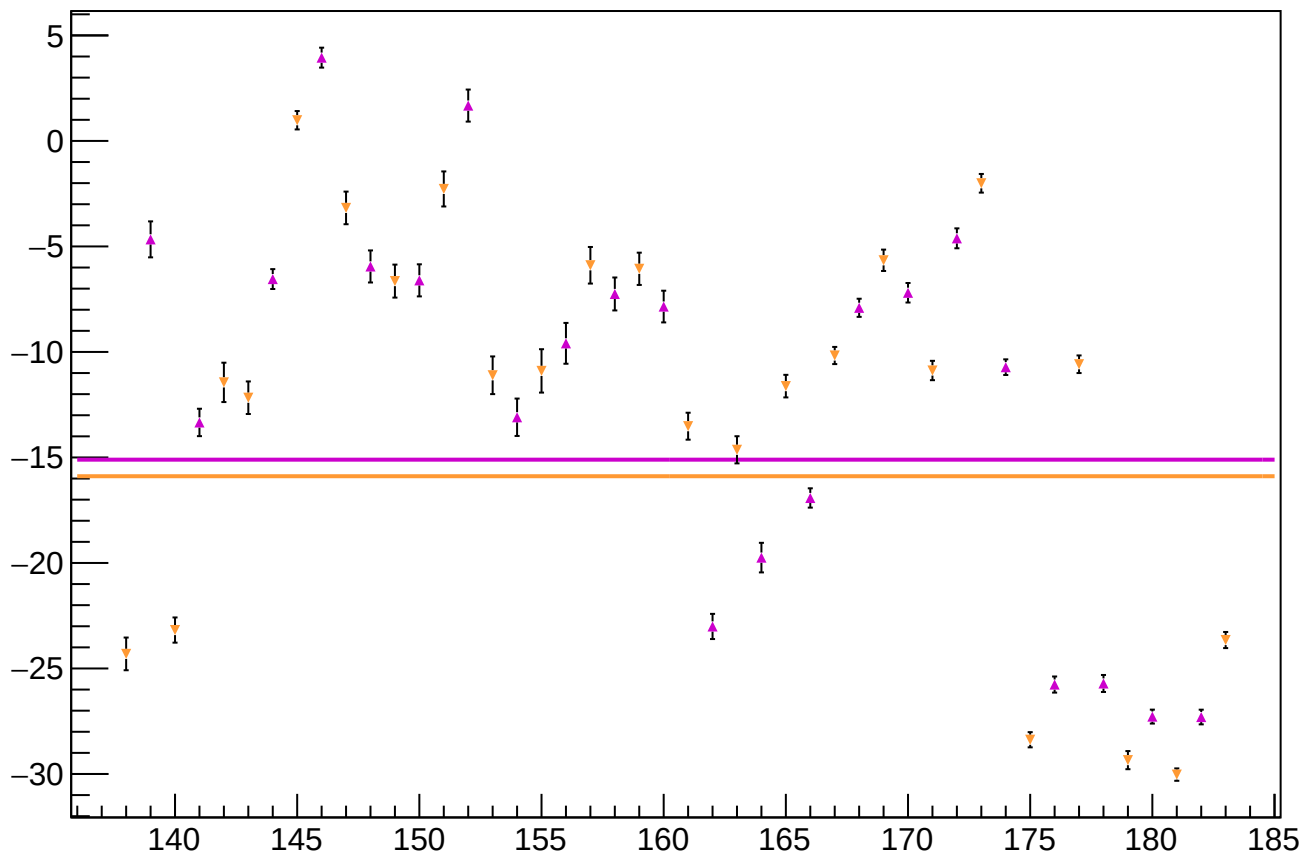
Right: 0.073 $\pm$ 0.009 χ^2 /NDF: 169.3/35

In: 0.354 $\pm$ 0.005 χ^2 /NDF:2284.0/38

Out: 0.371 $\pm$ 0.005 χ^2 /NDF:2095.7/42

All: 0.363 $\pm$ 0.004 χ^2 /NDF: 4385.2/81

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -15.890+/-0.107 χ^2/NDF :9710.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -15.105+/-0.108 χ^2/NDF :8605.1/21

Left: -15.503+/-0.076 χ^2/NDF : 18342.5/45

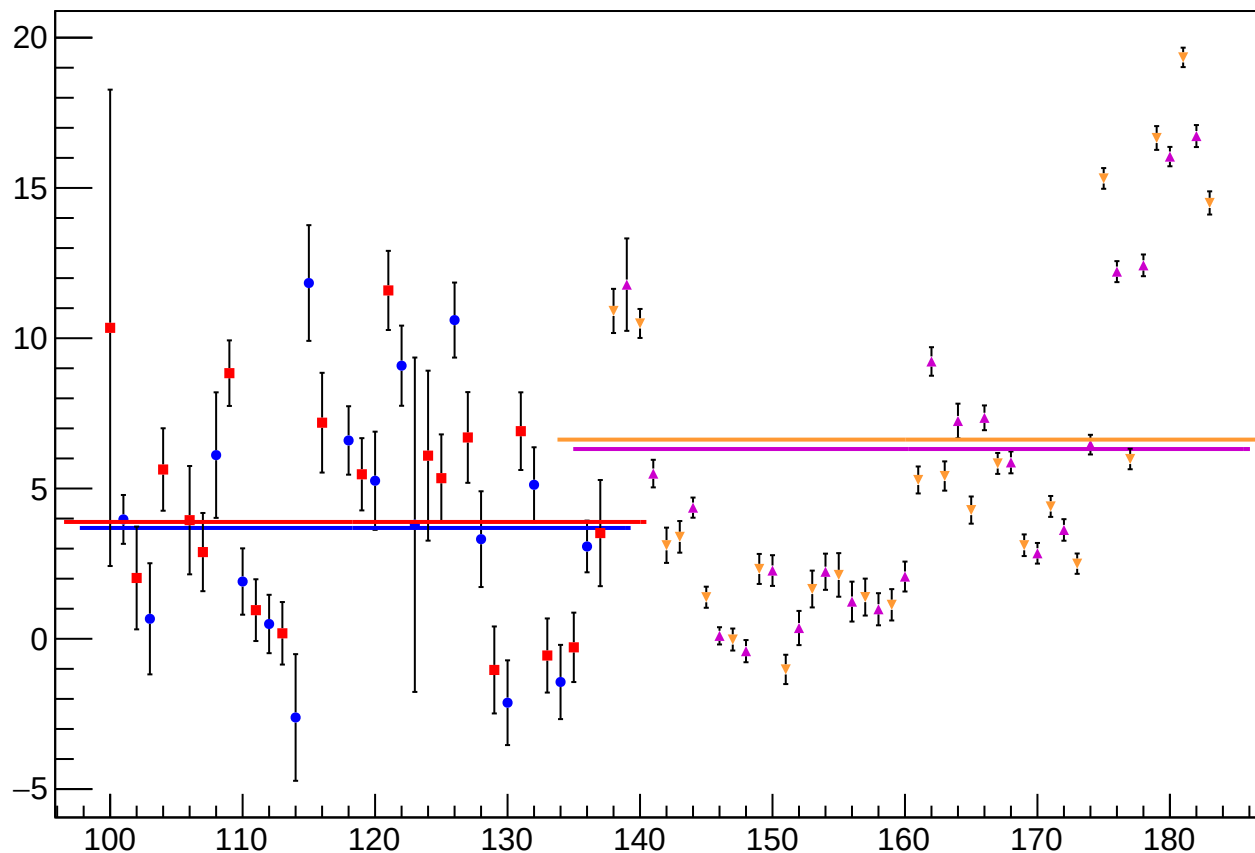
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.105+/-0.108 χ^2/NDF :8605.1/21

Out: -15.890+/-0.107 χ^2/NDF :9710.6/23

All: -15.503+/-0.076 χ^2/NDF : 18342.5/45

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.687 ± 0.311 χ^2/NDF : 135.1/16

Left Out: 6.627 ± 0.086 χ^2/NDF : 4913.6/23

Right Out: 3.887 ± 0.317 χ^2/NDF : 133.7/18

Left In: 6.314 ± 0.087 χ^2/NDF : 3799.4/21

Left: 6.471 ± 0.061 χ^2/NDF : 8719.5/45

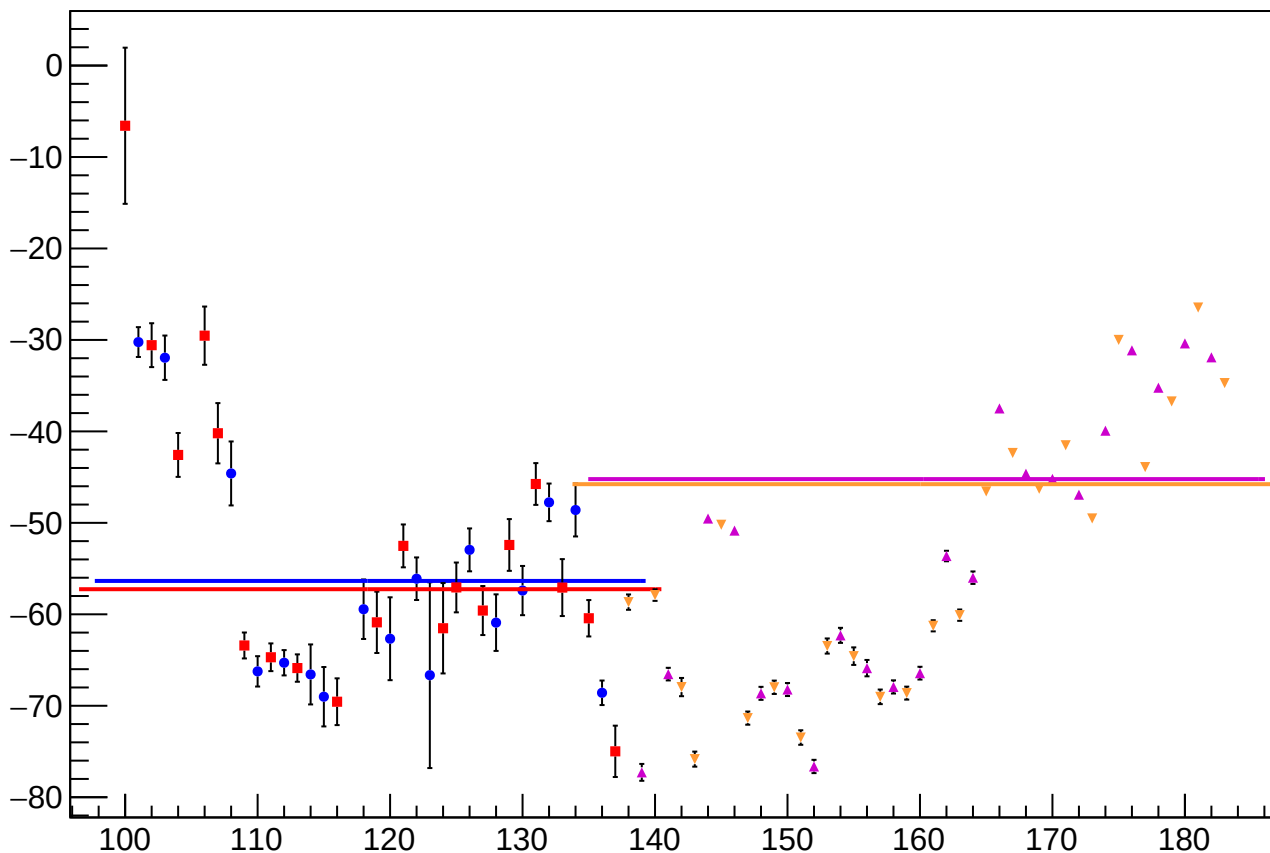
Right: 3.785 ± 0.222 χ^2/NDF : 269.0/35

In: 6.123 ± 0.084 χ^2/NDF : 4000.7/38

Out: 6.438 ± 0.083 χ^2/NDF : 5116.9/42

All: 6.281 ± 0.059 χ^2/NDF : 9124.7/81

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.351 ± 0.544 χ^2/NDF : 587.4/16
 Left Out: -45.772 ± 0.108 χ^2/NDF : 17195.6/23
 Right Out: -57.256 ± 0.537 χ^2/NDF : 475.7/18
 Left In: -45.216 ± 0.108 χ^2/NDF : 15600.1/21

Left: -45.496 ± 0.076 χ^2/NDF : 32808.9/45

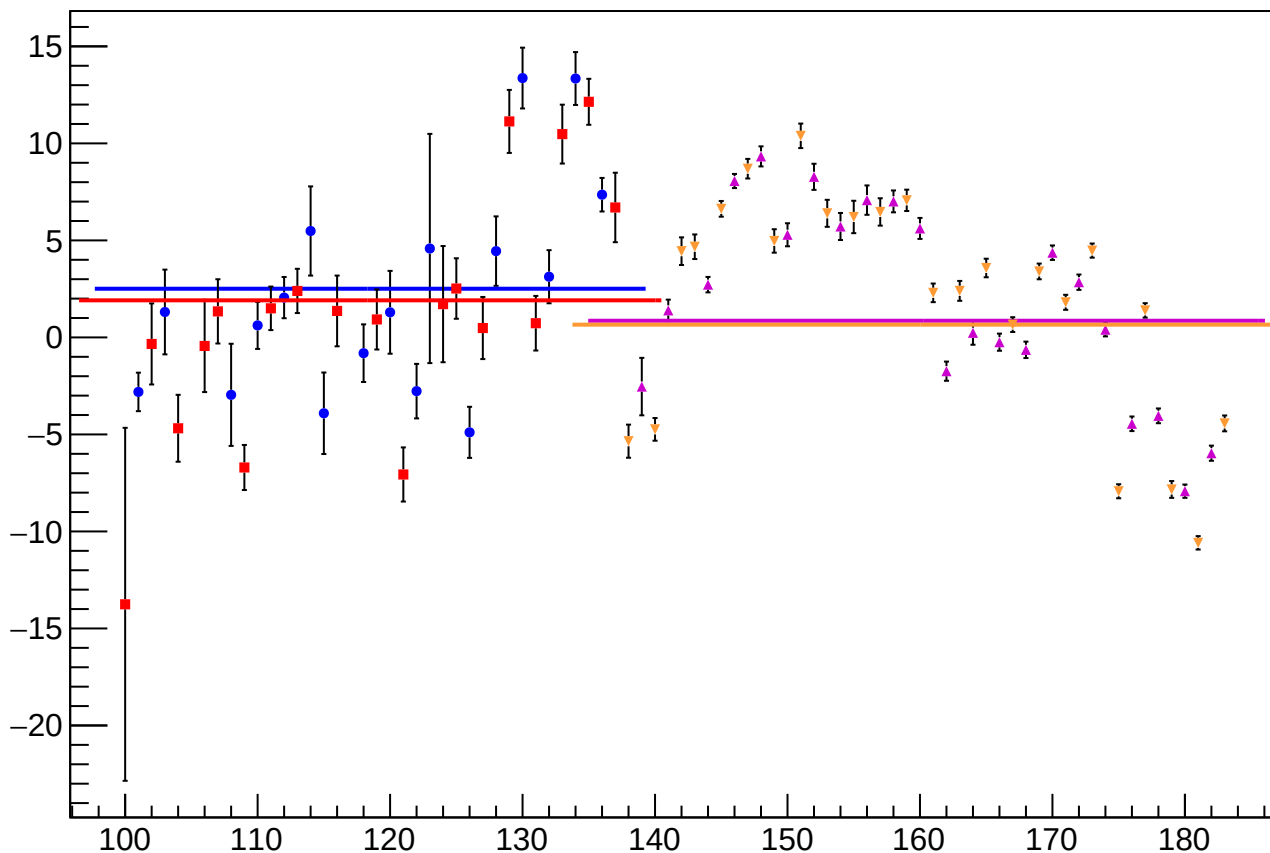
Right: -56.810 ± 0.382 χ^2/NDF : 1064.5/35

In: -45.642 ± 0.106 χ^2/NDF : 16590.0/38

Out: -46.214 ± 0.105 χ^2/NDF : 18111.2/42

All: -45.931 ± 0.075 χ^2/NDF : 34715.9/81

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.509 ± 0.348 χ^2/NDF : 242.2/16

Left Out: 0.657 ± 0.097 χ^2/NDF : 3666.3/23

Right Out: 1.911 ± 0.356 χ^2/NDF : 264.6/18

Left In: 0.859 ± 0.098 χ^2/NDF : 2667.2/21

Left: 0.757 ± 0.069 χ^2/NDF : 6335.7/45

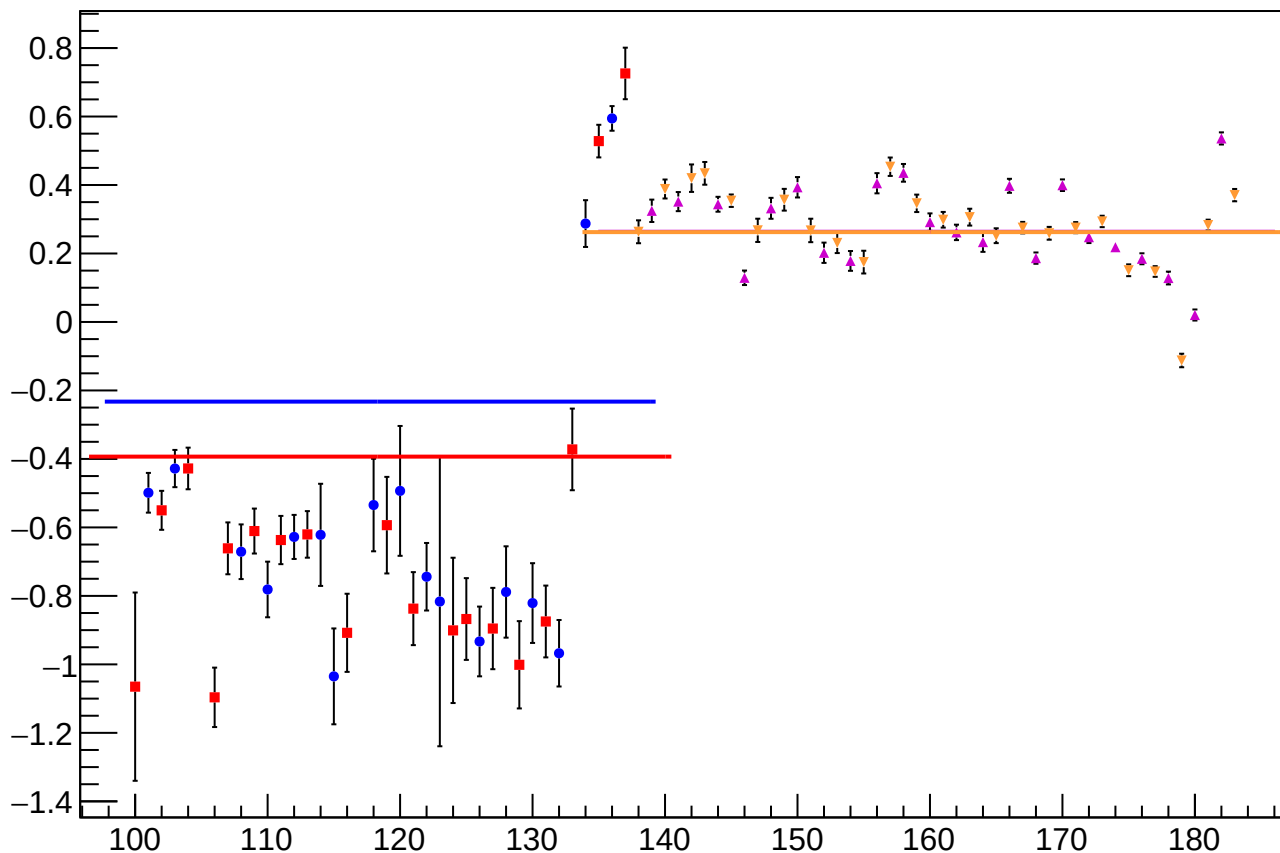
Right: 2.216 ± 0.249 χ^2/NDF : 508.3/35

In: 0.979 ± 0.094 χ^2/NDF : 2930.3/38

Out: 0.743 ± 0.093 χ^2/NDF : 3942.5/42

All: 0.860 ± 0.066 χ^2/NDF : 6876.0/81

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 ± 0.019 χ^2/NDF : 957.0/16

Left Out: 0.262 ± 0.004 χ^2/NDF : 670.8/23

Right Out: -0.393 ± 0.019 χ^2/NDF : 844.6/18

Left In: 0.263 ± 0.004 χ^2/NDF : 852.3/21

Left: 0.263 ± 0.003 χ^2/NDF : 1523.1/45

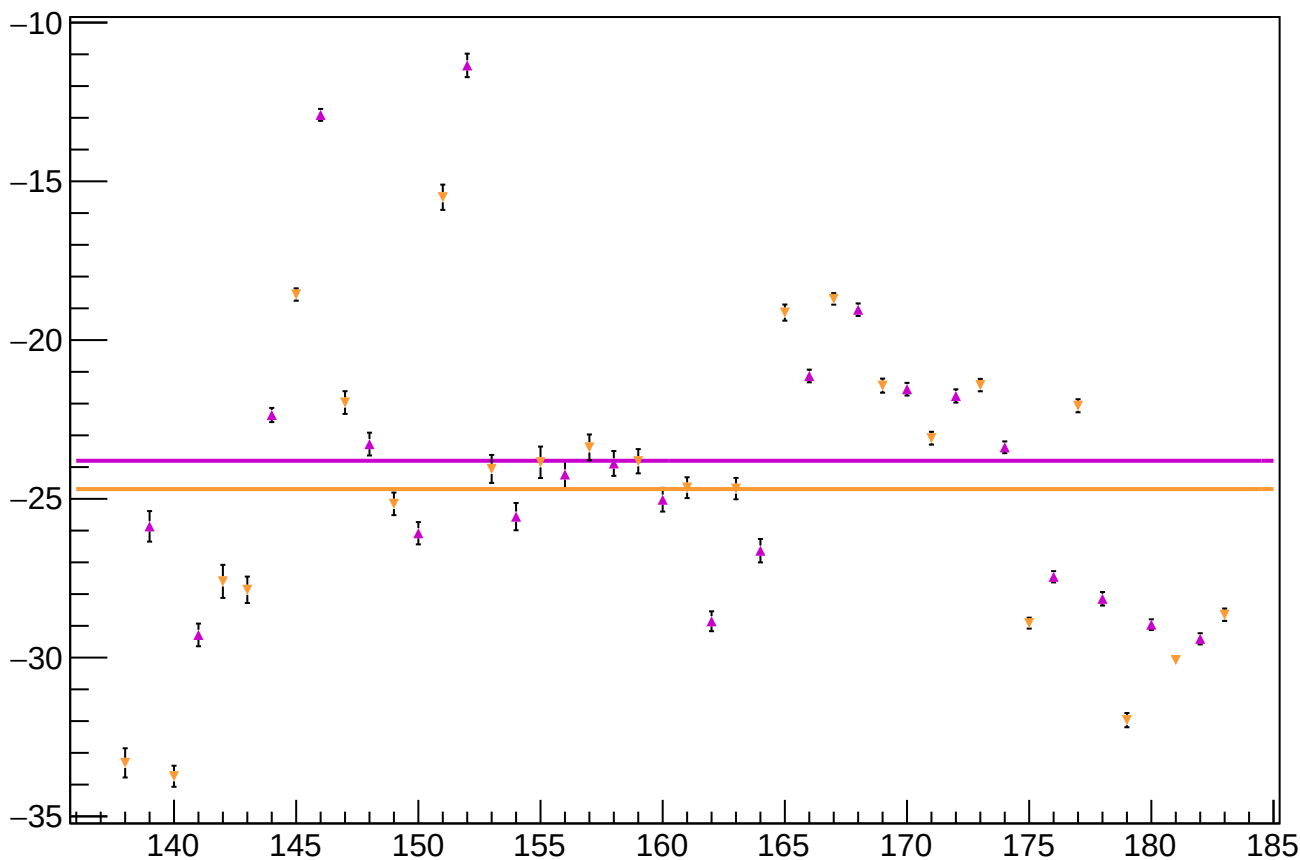
Right: -0.313 ± 0.013 χ^2/NDF : 1837.5/35

In: 0.237 ± 0.004 χ^2/NDF : 2459.9/38

Out: 0.229 ± 0.004 χ^2/NDF : 2644.2/42

All: 0.233 ± 0.003 χ^2/NDF : 5106.0/81

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -24.691 $\pm$ 0.052 χ^2 /NDF:8397.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -23.801 $\pm$ 0.052 χ^2 /NDF:8981.5/21

Left: -24.246 $\pm$ 0.037 χ^2 /NDF: 17527.2/45

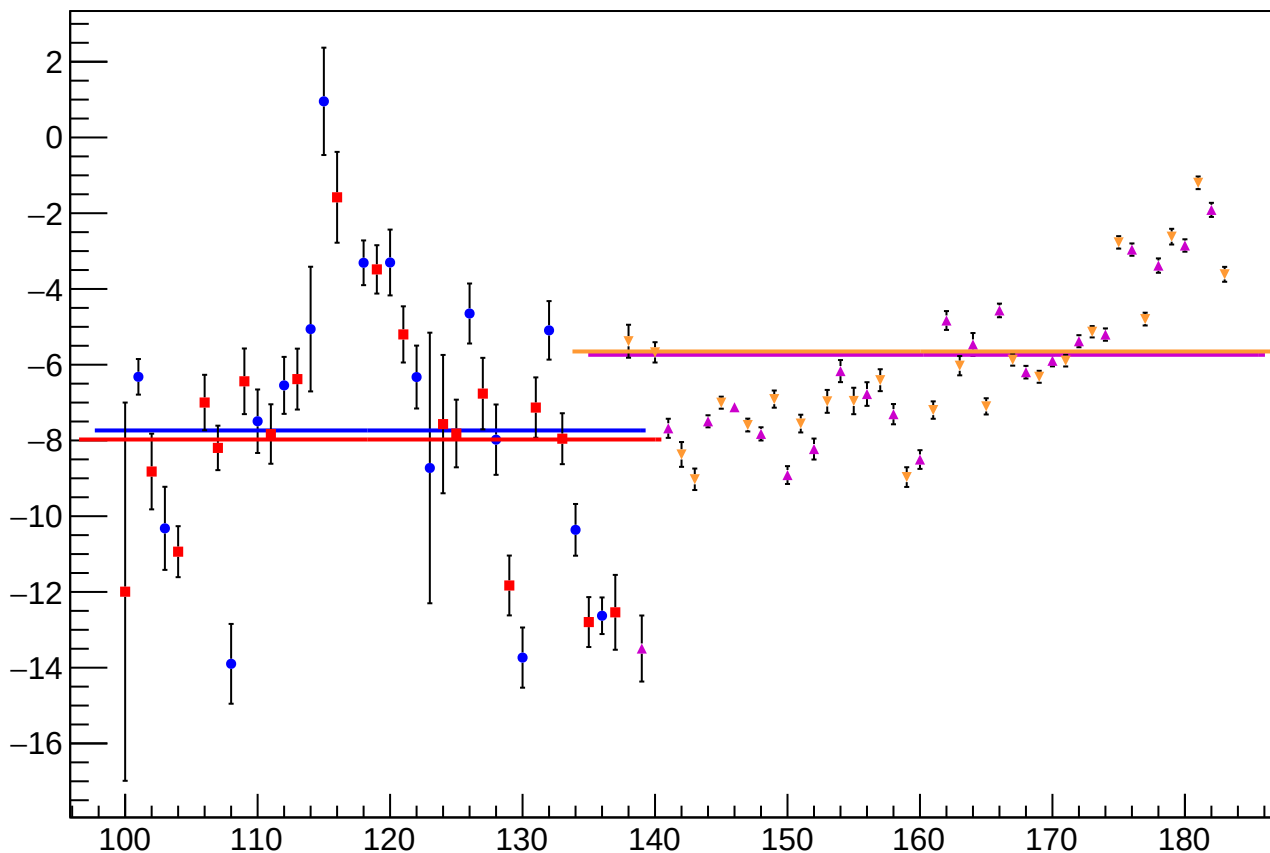
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -23.801 $\pm$ 0.052 χ^2 /NDF:8981.5/21

Out: -24.691 $\pm$ 0.052 χ^2 /NDF:8397.1/23

All: -24.246 $\pm$ 0.037 χ^2 /NDF: 17527.2/45

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.736 ± 0.187 χ^2/NDF : 378.1/16

Left Out: -5.651 ± 0.042 χ^2/NDF : 2205.5/23

Right Out: -7.975 ± 0.186 χ^2/NDF : 223.2/18

Left In: -5.738 ± 0.041 χ^2/NDF : 2237.0/21

Left: -5.695 ± 0.029 χ^2/NDF : 4444.7/45

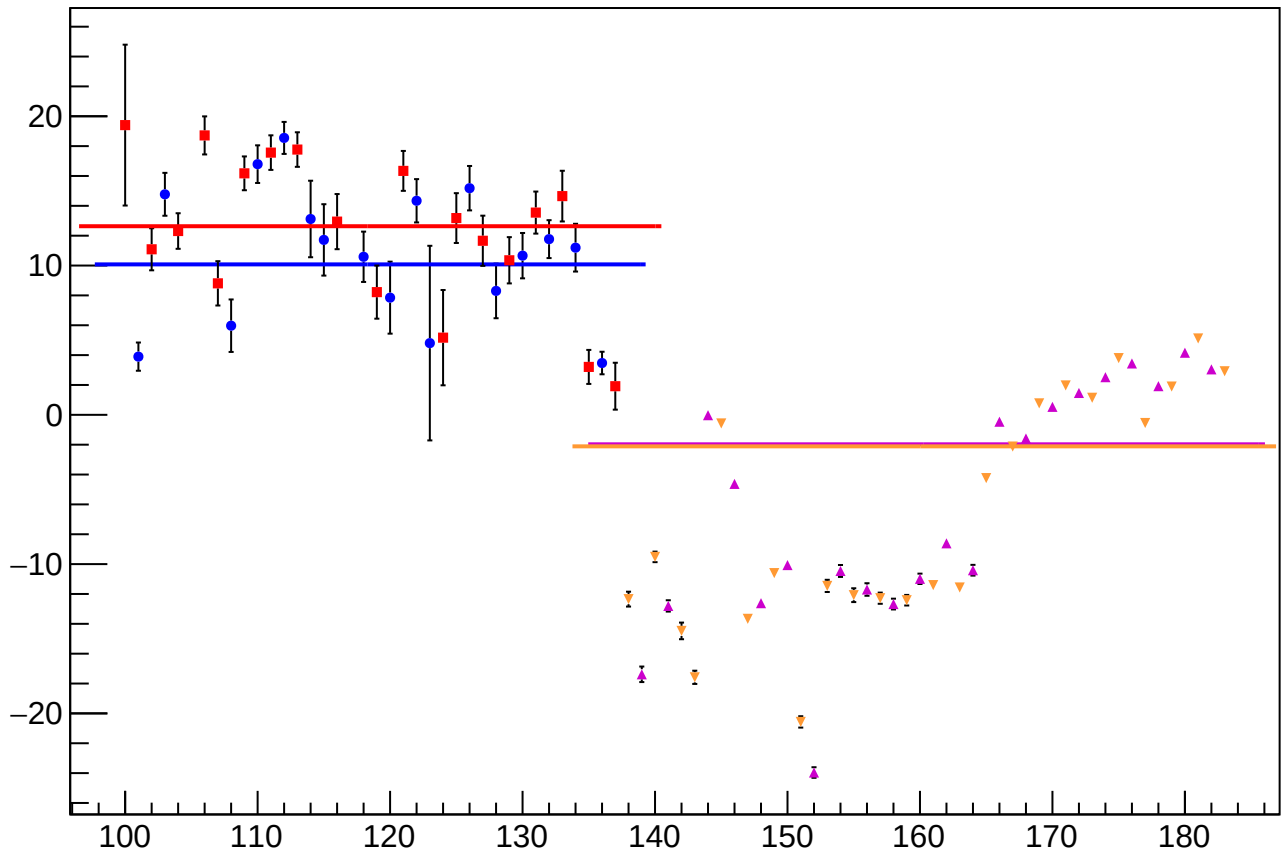
Right: -7.856 ± 0.132 χ^2/NDF : 602.0/35

In: -5.830 ± 0.040 χ^2/NDF : 2723.5/38

Out: -5.761 ± 0.041 χ^2/NDF : 2577.2/42

All: -5.796 ± 0.029 χ^2/NDF : 5302.1/81

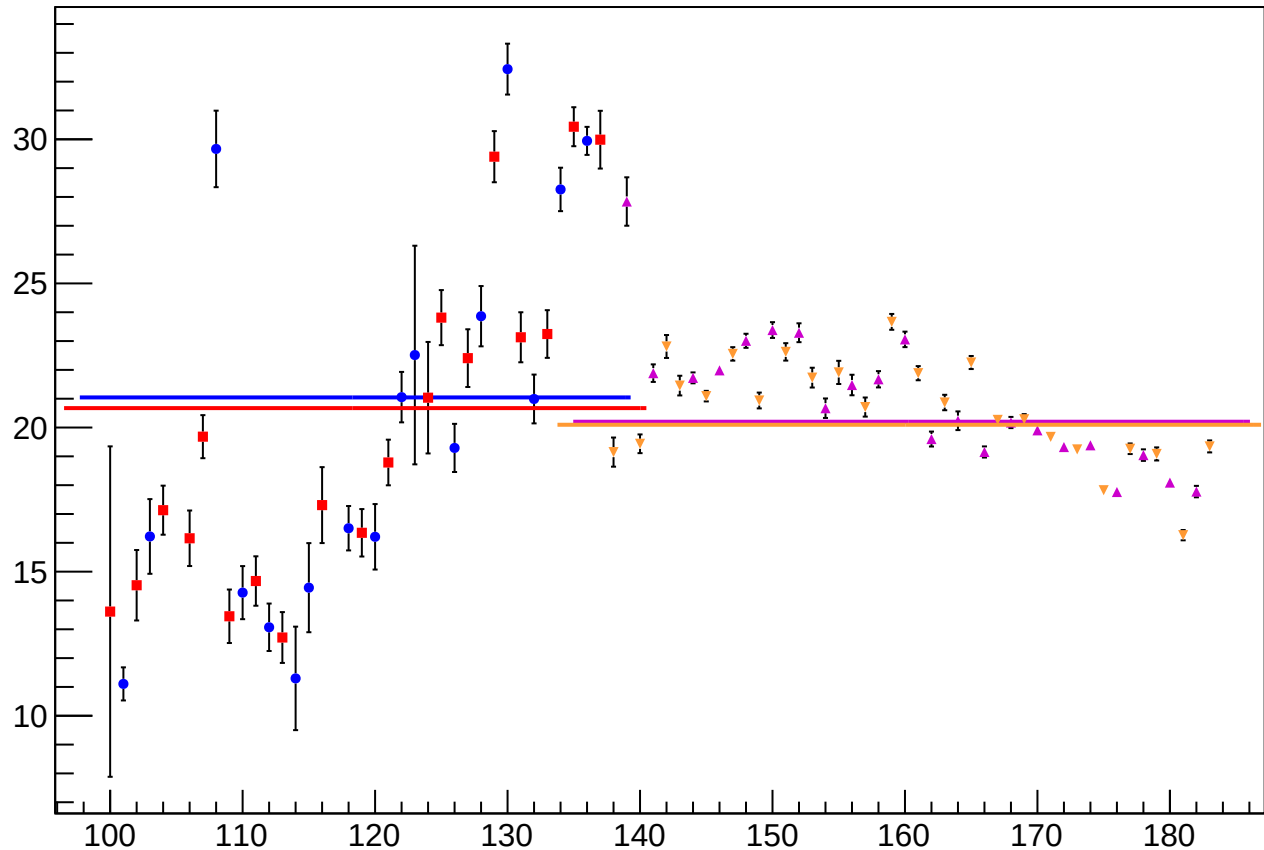
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.078 ± 0.339 $\chi^2/\text{NDF}: 253.6/16$
 Left Out: -2.112 ± 0.052 $\chi^2/\text{NDF}: 16299.2/23$
 Right Out: 12.634 ± 0.333 $\chi^2/\text{NDF}: 218.7/18$
 Left In: -1.975 ± 0.052 $\chi^2/\text{NDF}: 15381.9/21$

Left: -2.043 ± 0.037 $\chi^2/\text{NDF}: 31684.5/45$
 Right: 11.376 ± 0.237 $\chi^2/\text{NDF}: 501.2/35$
 In: -1.700 ± 0.051 $\chi^2/\text{NDF}: 16874.1/38$
 Out: -1.761 ± 0.051 $\chi^2/\text{NDF}: 18429.7/42$
 All: -1.730 ± 0.036 $\chi^2/\text{NDF}: 35304.6/81$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.045 $\pm$ 0.211 χ^2 /NDF: 1209.4/16

Left Out: 20.096 $\pm$ 0.046 χ^2 /NDF:1378.1/23

Right Out: 20.674 $\pm$ 0.213 χ^2 /NDF: 721.7/18

Left In: 20.201 $\pm$ 0.046 χ^2 /NDF:1445.7/21

Left: 20.149 $\pm$ 0.033 χ^2 /NDF: 2826.4/45

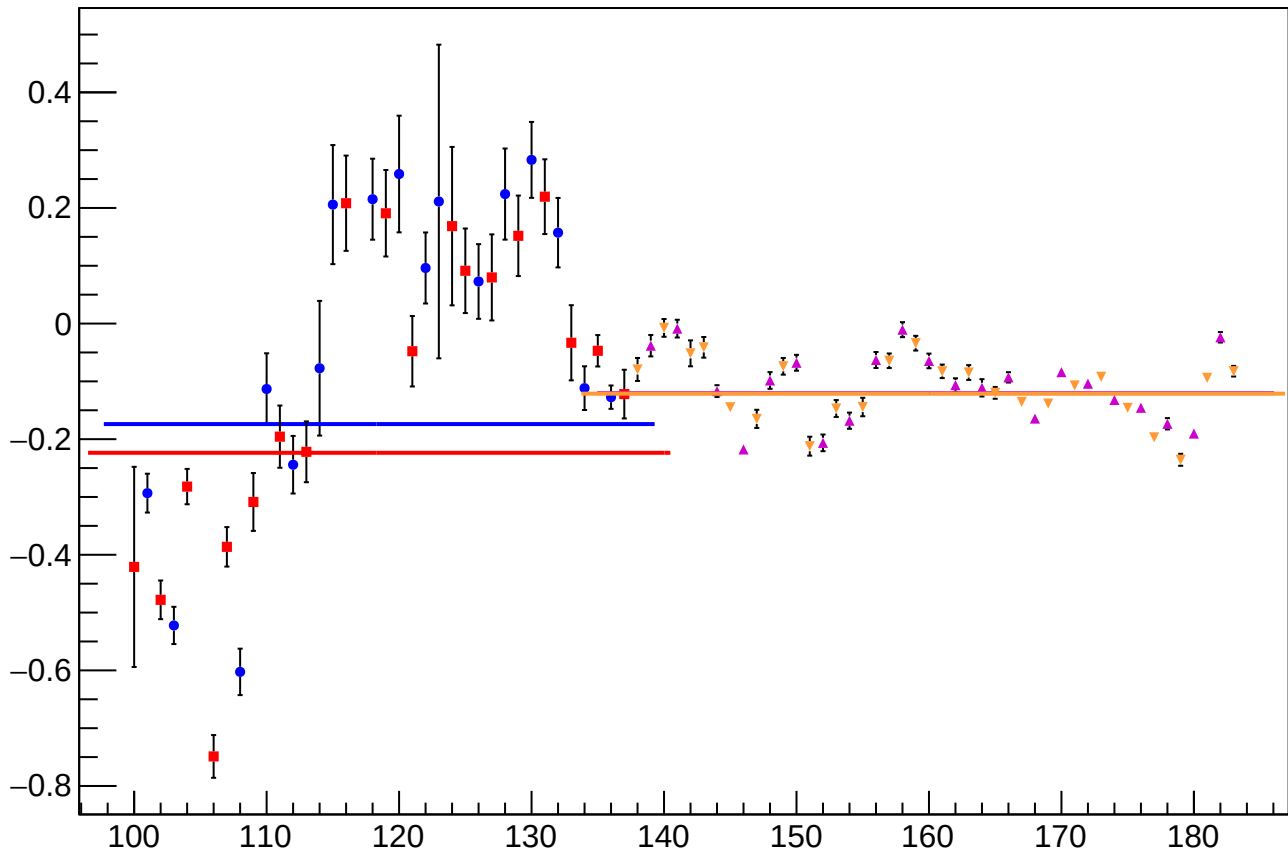
Right: 20.861 $\pm$ 0.150 χ^2 /NDF: 1932.6/35

In: 20.240 $\pm$ 0.045 χ^2 /NDF:2670.3/38

Out: 20.123 $\pm$ 0.045 χ^2 /NDF:2106.8/42

All: 20.182 $\pm$ 0.032 χ^2 /NDF: 4780.5/81

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.174 ± 0.011 χ^2/NDF : 458.2/16

Left Out: -0.121 ± 0.002 χ^2/NDF : 521.1/23

Right Out: -0.224 ± 0.011 χ^2/NDF : 533.0/18

Left In: -0.120 ± 0.002 χ^2/NDF : 682.8/21

Left: -0.121 ± 0.002 χ^2/NDF : 1204.1/45

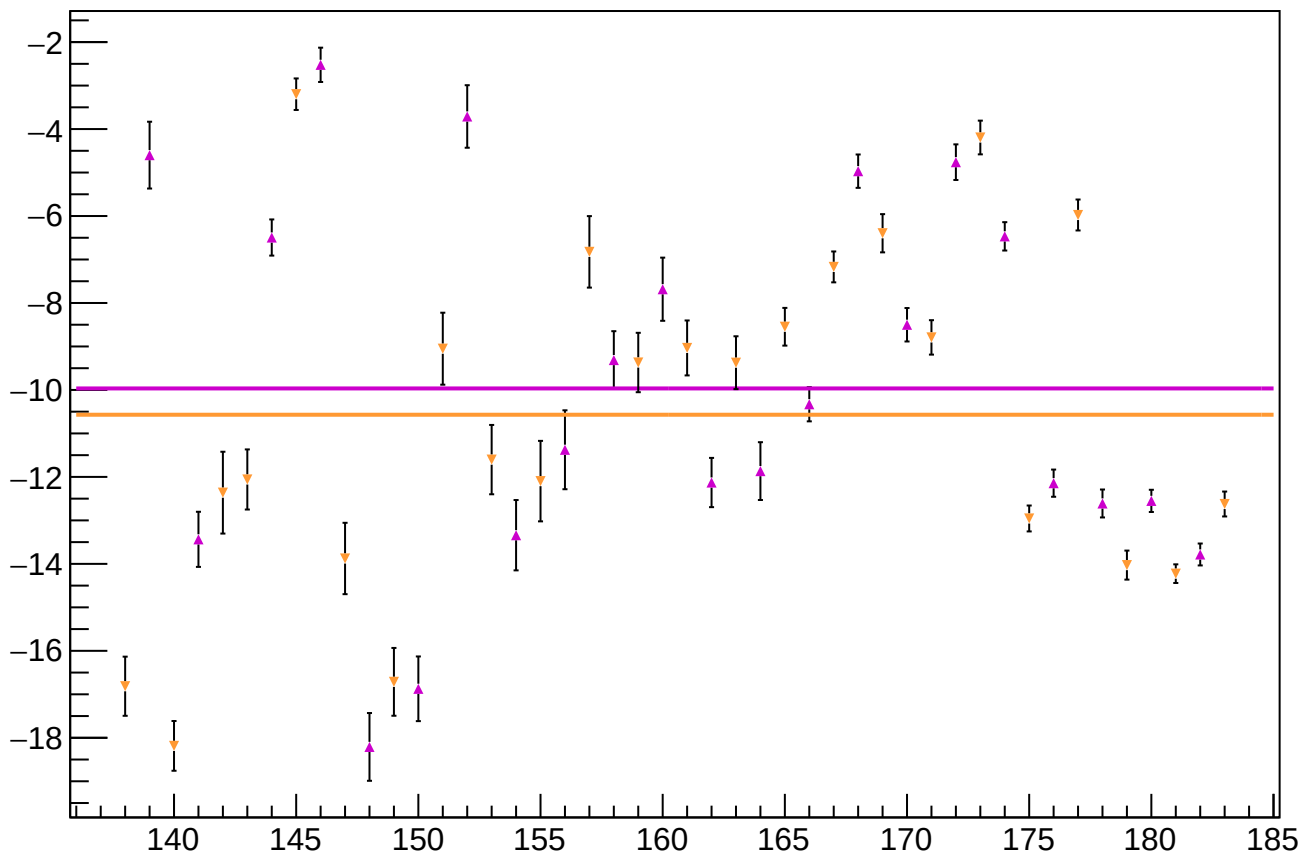
Right: -0.199 ± 0.008 χ^2/NDF : 1001.2/35

In: -0.122 ± 0.002 χ^2/NDF : 1163.0/38

Out: -0.125 ± 0.002 χ^2/NDF : 1138.0/42

All: -0.124 ± 0.001 χ^2/NDF : 2301.8/81

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -10.570+/-0.089 χ^2/NDF :1976.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -9.965+/-0.091 χ^2/NDF :1741.7/21

Left: -10.274+/-0.064 χ^2/NDF : 3741.0/45

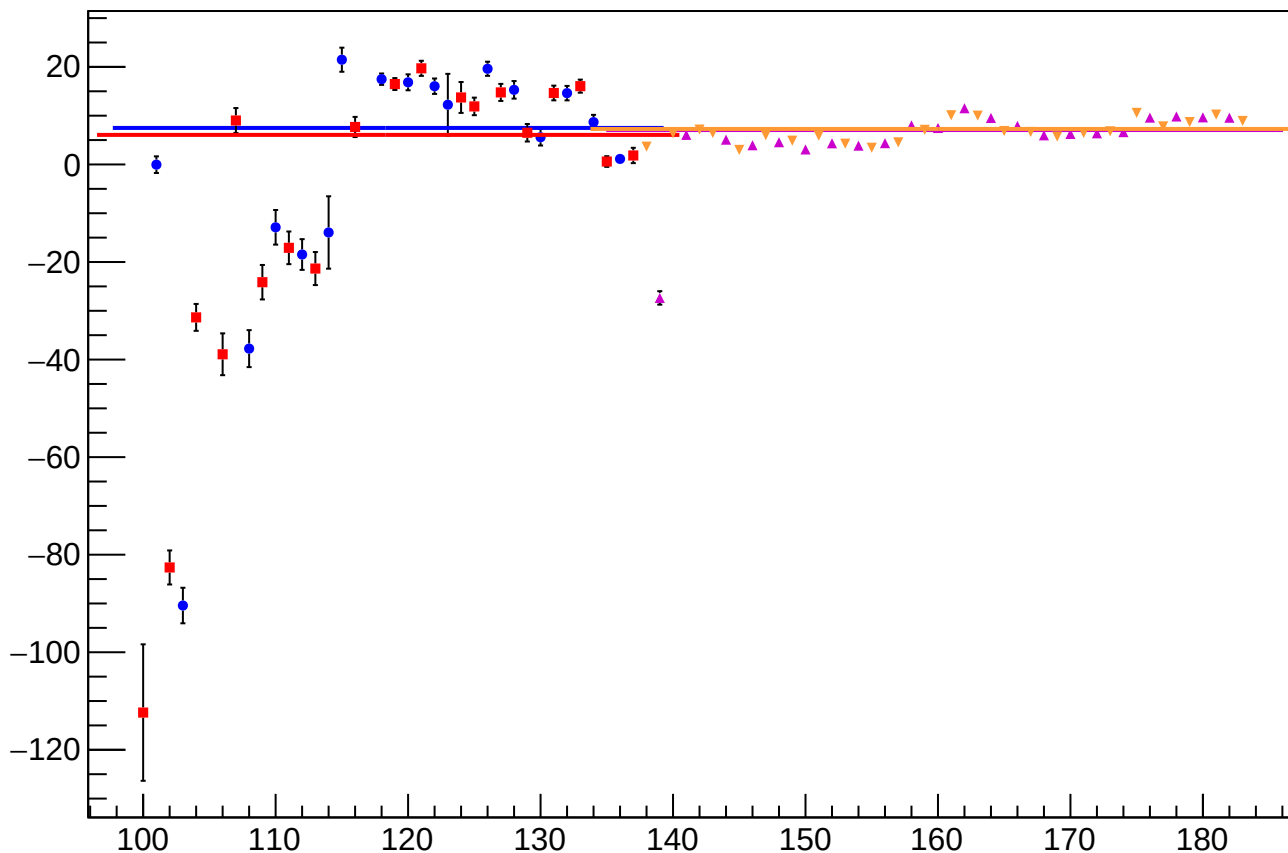
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -9.965+/-0.091 χ^2/NDF :1741.7/21

Out: -10.570+/-0.089 χ^2/NDF :1976.8/23

All: -10.274+/-0.064 χ^2/NDF : 3741.0/45

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.489 ± 0.407 χ^2/NDF : 1340.6/16

Left Out: 7.283 ± 0.074 χ^2/NDF : 852.1/23

Right Out: 6.061 ± 0.435 χ^2/NDF : 1511.9/18

Left In: 7.052 ± 0.075 χ^2/NDF : 1535.8/21

Left: 7.169 ± 0.053 χ^2/NDF : 2392.6/45

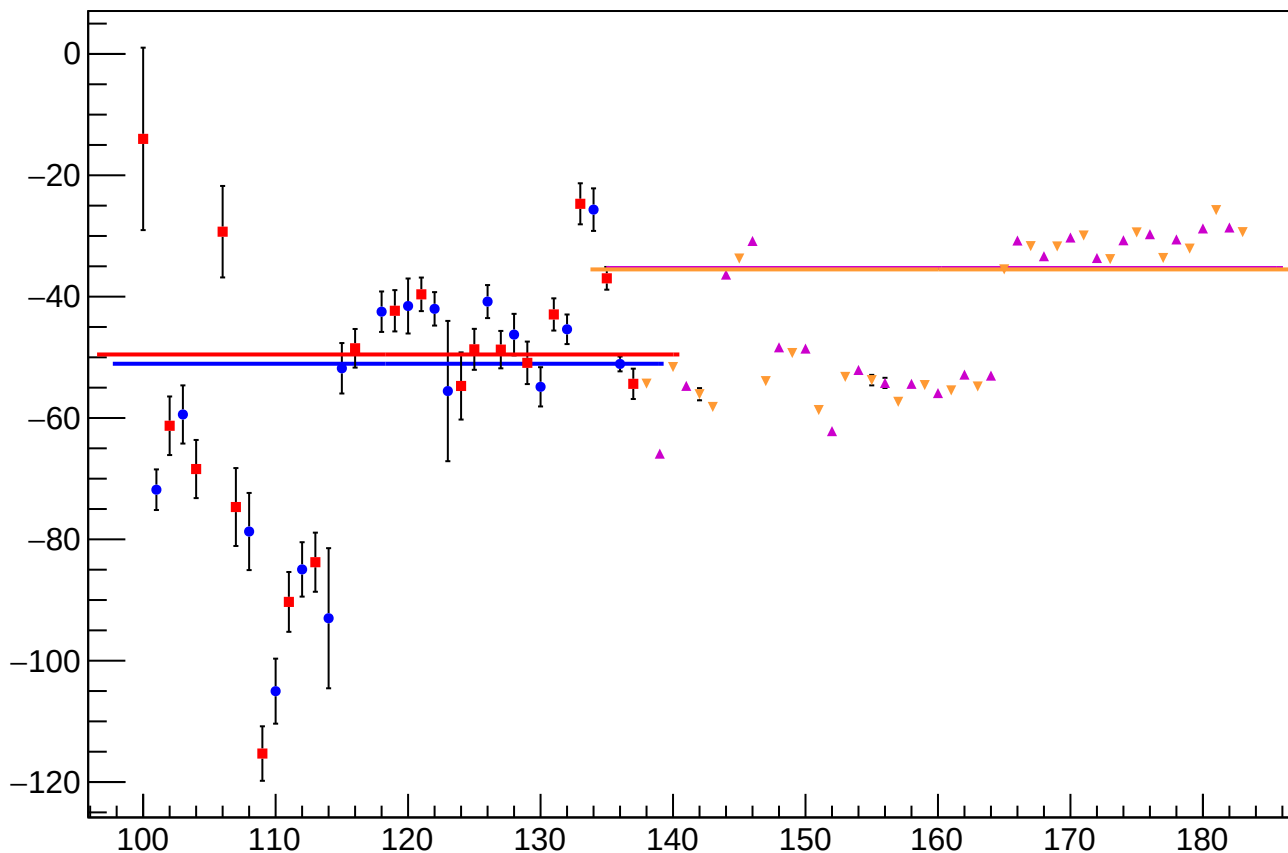
Right: 6.822 ± 0.297 χ^2/NDF : 2858.2/35

In: 7.067 ± 0.074 χ^2/NDF : 2877.5/38

Out: 7.248 ± 0.073 χ^2/NDF : 2371.6/42

All: 7.158 ± 0.052 χ^2/NDF : 5252.2/81

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.060 $\pm$ 0.742 χ^2 /NDF: 329.6/16

Left Out: -35.511 $\pm$ 0.090 χ^2 /NDF:12756.7/23

Right Out: -49.531 $\pm$ 0.800 χ^2 /NDF: 509.2/18

Left In: -35.279 $\pm$ 0.092 χ^2 /NDF:11593.8/21

Left: -35.397 $\pm$ 0.064 χ^2 /NDF: 24353.7/45

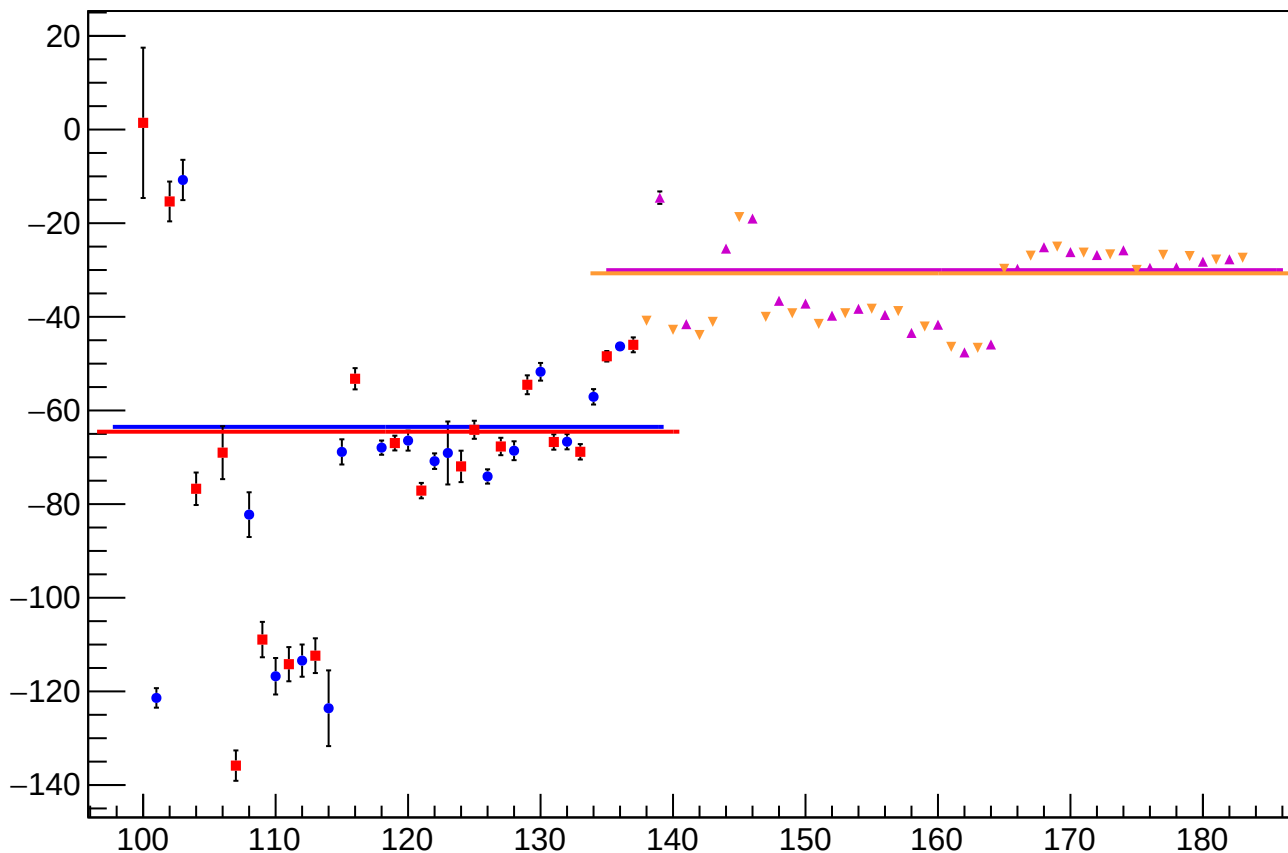
Right: -50.353 $\pm$ 0.544 χ^2 /NDF: 840.8/35

In: -35.516 $\pm$ 0.091 χ^2 /NDF:12369.2/38

Out: -35.688 $\pm$ 0.090 χ^2 /NDF:13569.1/42

All: -35.603 $\pm$ 0.064 χ^2 /NDF: 25940.2/81

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.501 ± 0.449 χ^2/NDF : 2006.3/16

Left Out: -30.707 ± 0.083 χ^2/NDF : 7823.1/23

Right Out: -64.533 ± 0.484 χ^2/NDF : 1604.2/18

Left In: -30.032 ± 0.084 χ^2/NDF : 7009.6/21

Left: -30.374 ± 0.059 χ^2/NDF : 14865.6/45

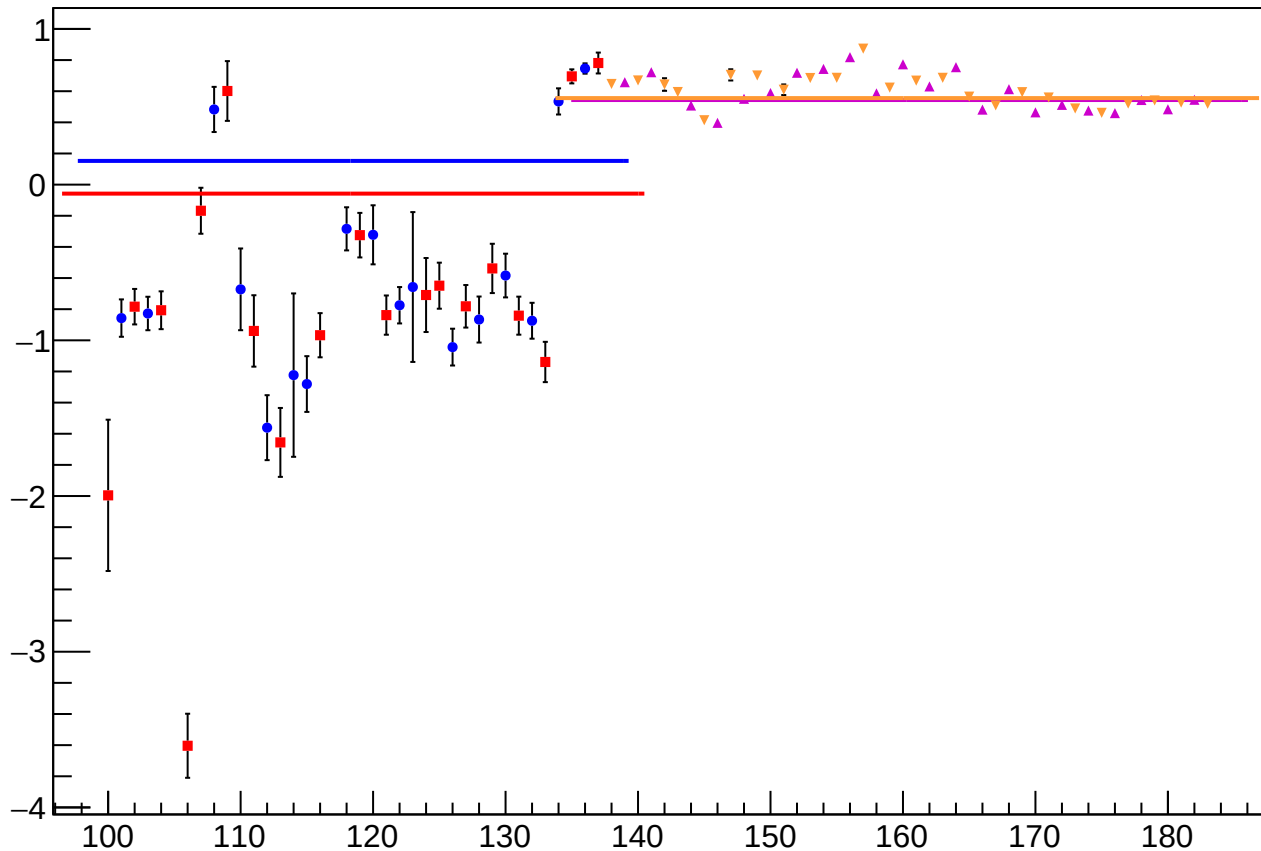
Right: -63.979 ± 0.329 χ^2/NDF : 3613.0/35

In: -31.155 ± 0.082 χ^2/NDF : 14380.5/38

Out: -31.667 ± 0.082 χ^2/NDF : 14176.4/42

All: -31.414 ± 0.058 χ^2/NDF : 28576.4/81

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.556 ± 0.004 χ^2/NDF : 526.4/23

Right Out: -0.058 ± 0.026 χ^2/NDF : 1160.4/18

Left In: 0.543 ± 0.004 χ^2/NDF : 655.6/21

Left: 0.550 ± 0.003 χ^2/NDF : 1187.3/45

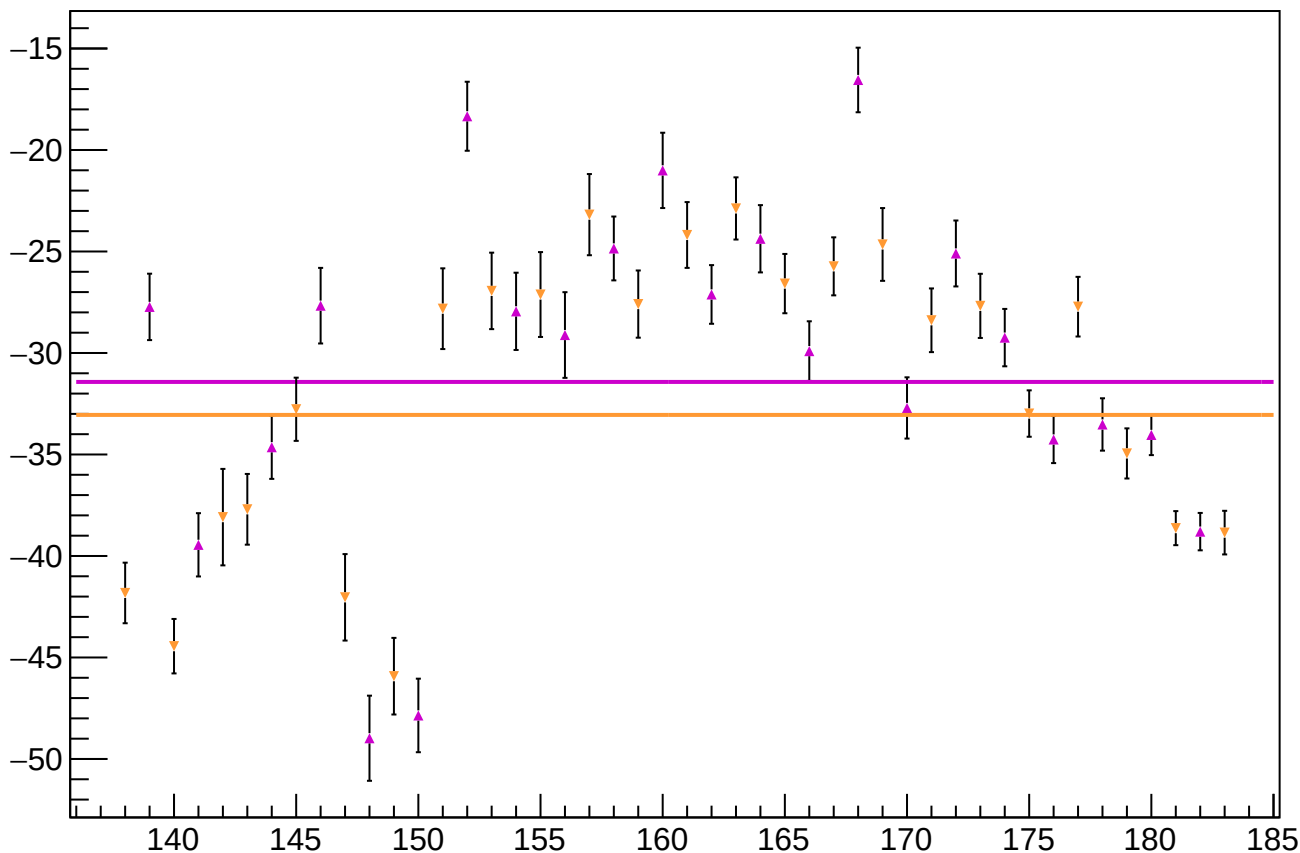
Right: 0.057 ± 0.018 χ^2/NDF : 2182.5/35

In: 0.534 ± 0.004 χ^2/NDF : 1900.8/38

Out: 0.543 ± 0.004 χ^2/NDF : 2219.1/42

All: 0.539 ± 0.003 χ^2/NDF : 4123.2/81

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



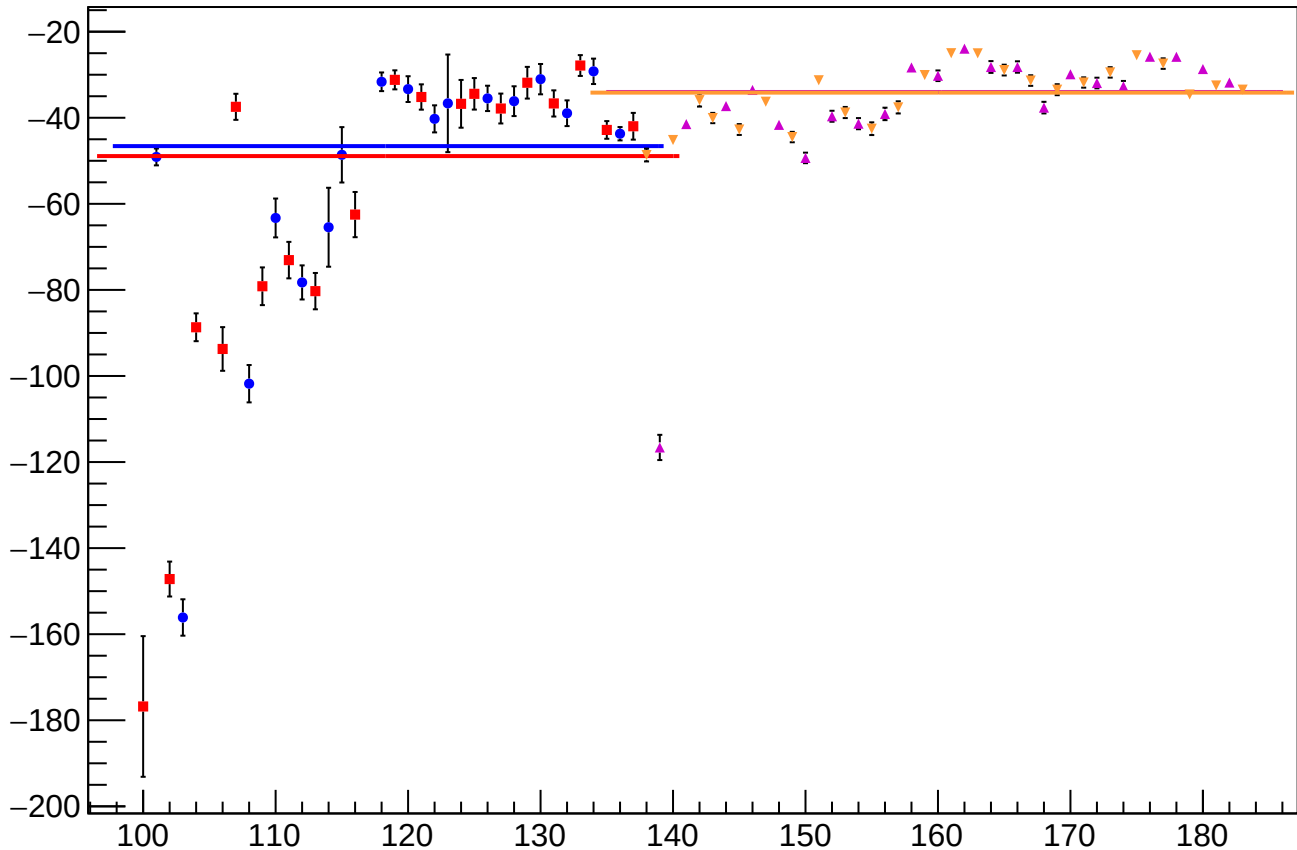
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -33.050+/-0.303 χ^2/NDF :494.4/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -31.426+/-0.315 χ^2/NDF :518.4/21

Left: -32.267+/-0.218 χ^2/NDF : 1026.6/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.426+/-0.315 χ^2/NDF :518.4/21
 Out: -33.050+/-0.303 χ^2/NDF :494.4/23

All: -32.267+/-0.218 χ^2/NDF : 1026.6/45

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.587 ± 0.730 $\chi^2/\text{NDF}: 1076.0/16$

Left Out: -34.158 ± 0.244 $\chi^2/\text{NDF}: 679.4/23$

Right Out: -48.904 ± 0.764 $\chi^2/\text{NDF}: 1277.6/18$

Left In: -34.011 ± 0.254 $\chi^2/\text{NDF}: 1441.0/21$

Left: -34.088 ± 0.176 $\chi^2/\text{NDF}: 2120.6/45$

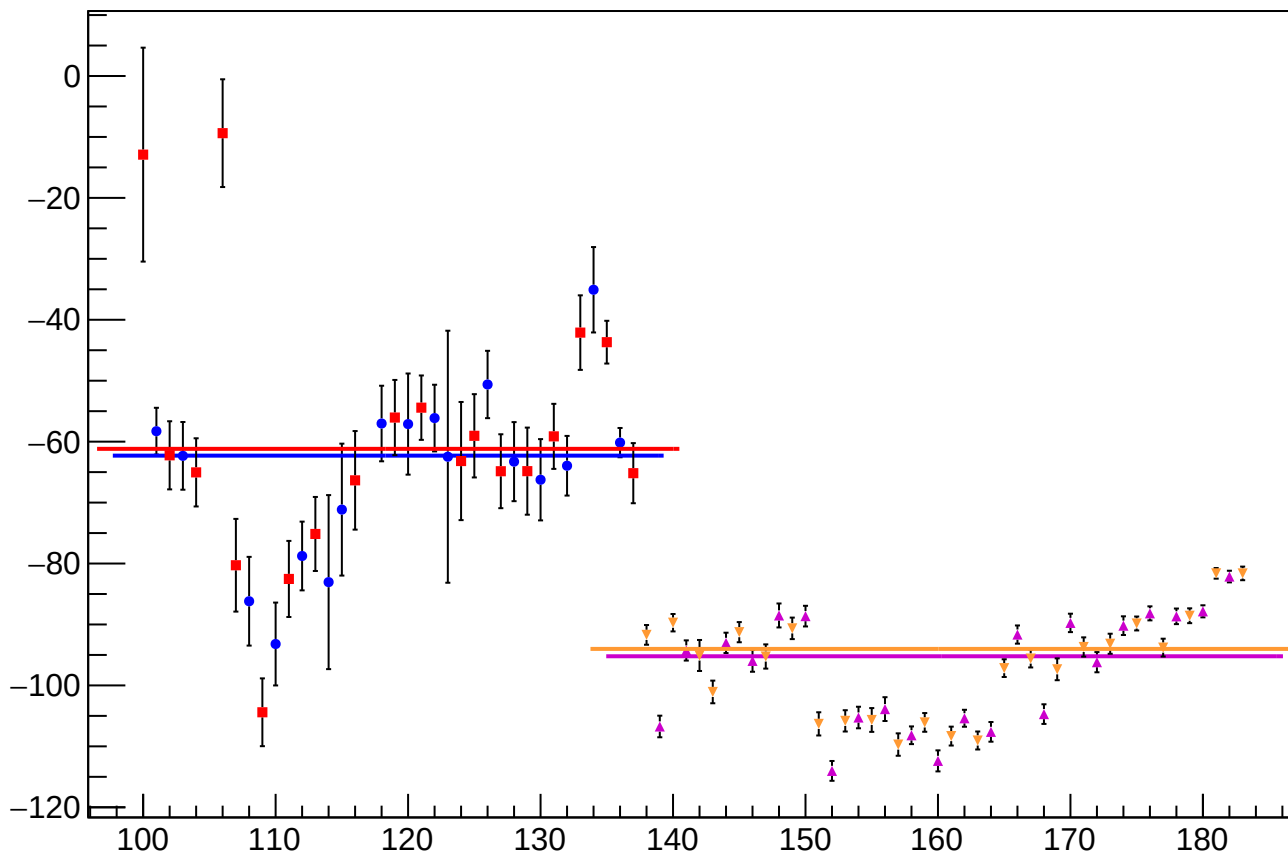
Right: -47.693 ± 0.528 $\chi^2/\text{NDF}: 2358.5/35$

In: -35.366 ± 0.240 $\chi^2/\text{NDF}: 2781.5/38$

Out: -35.518 ± 0.232 $\chi^2/\text{NDF}: 2294.8/42$

All: -35.445 ± 0.167 $\chi^2/\text{NDF}: 5076.5/81$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.294 ± 1.317 χ^2/NDF : 67.1/16

Left Out: -94.009 ± 0.305 χ^2/NDF : 847.3/23

Right Out: -61.180 ± 1.383 χ^2/NDF : 165.0/18

Left In: -95.217 ± 0.314 χ^2/NDF : 918.9/21

Left: -94.596 ± 0.219 χ^2/NDF : 1773.9/45

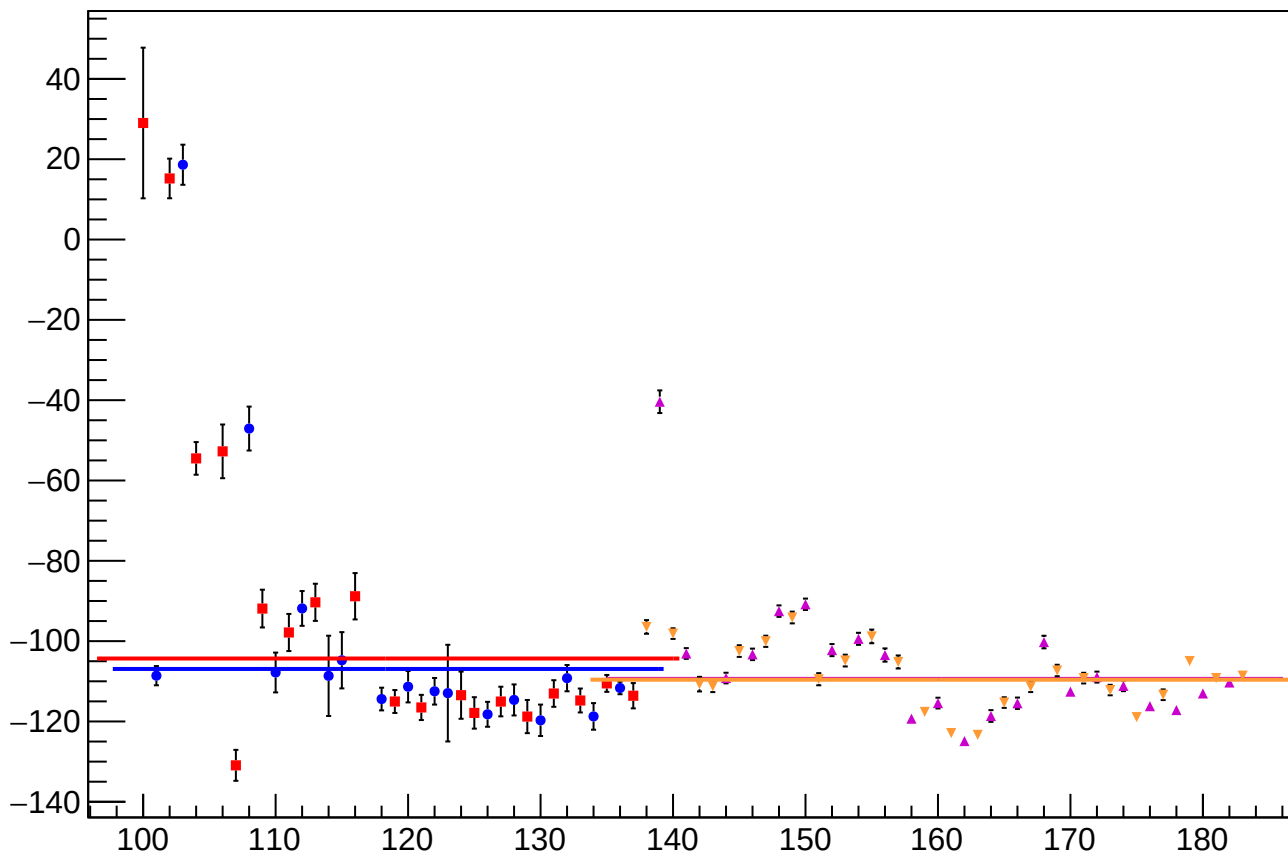
Right: -61.765 ± 0.954 χ^2/NDF : 232.4/35

In: -93.451 ± 0.305 χ^2/NDF : 1577.2/38

Out: -92.489 ± 0.298 χ^2/NDF : 1549.7/42

All: -92.959 ± 0.213 χ^2/NDF : 3132.0/81

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.926 ± 0.818 $\chi^2/\text{NDF}: 826.7/16$

Left Out: -109.600 ± 0.274 $\chi^2/\text{NDF}: 783.5/23$

Right Out: -104.324 ± 0.863 $\chi^2/\text{NDF}: 1020.5/18$

Left In: -109.397 ± 0.284 $\chi^2/\text{NDF}: 1479.3/21$

Left: -109.502 ± 0.197 $\chi^2/\text{NDF}: 2263.1/45$

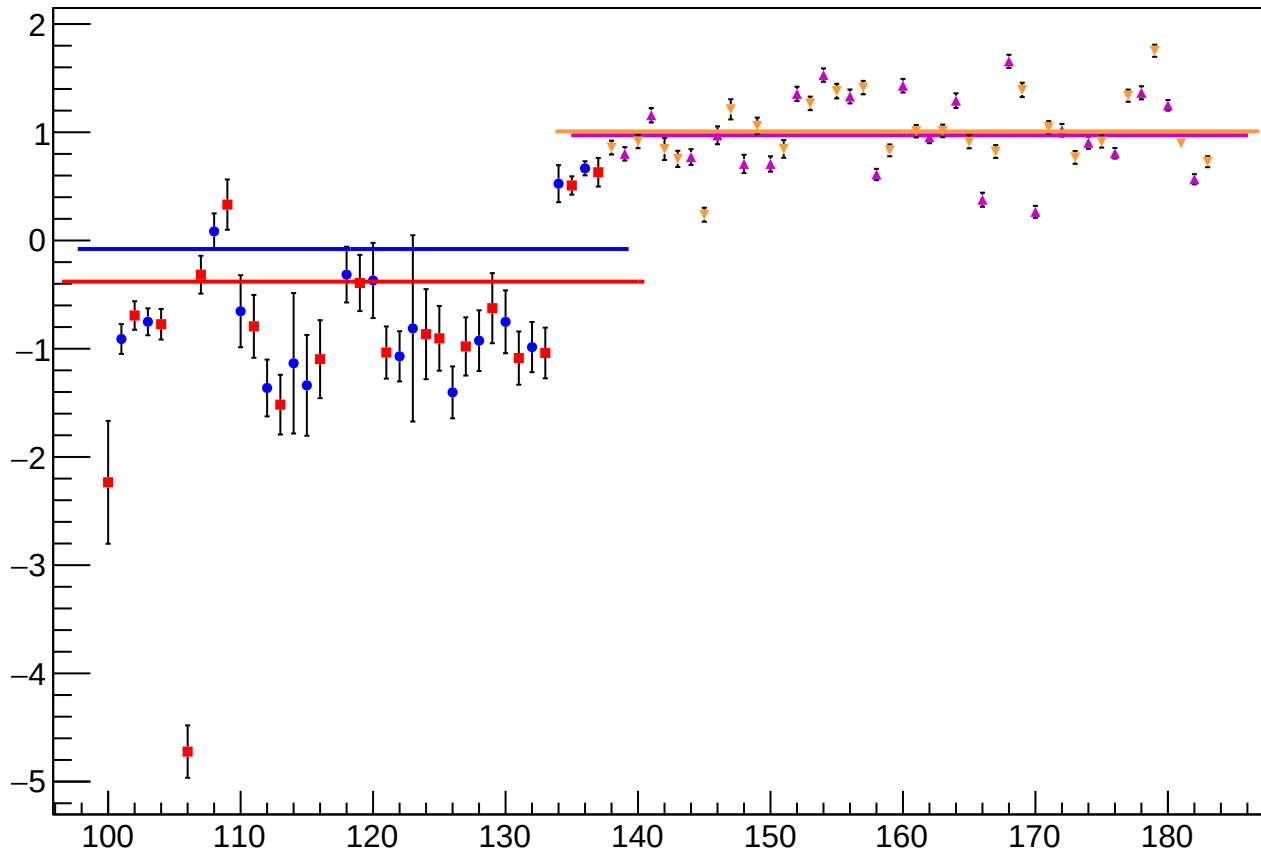
Right: -105.694 ± 0.594 $\chi^2/\text{NDF}: 1852.0/35$

In: -109.132 ± 0.268 $\chi^2/\text{NDF}: 2314.1/38$

Out: -109.117 ± 0.261 $\chi^2/\text{NDF}: 1838.0/42$

All: -109.125 ± 0.187 $\chi^2/\text{NDF}: 4152.1/81$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.6/16

Left Out: 1.008 ± 0.013 χ^2/NDF : 584.1/23

Right Out: -0.380 ± 0.044 χ^2/NDF : 580.2/18

Left In: 0.972 ± 0.013 χ^2/NDF : 850.7/21

Left: 0.990 ± 0.009 χ^2/NDF : 1438.8/45

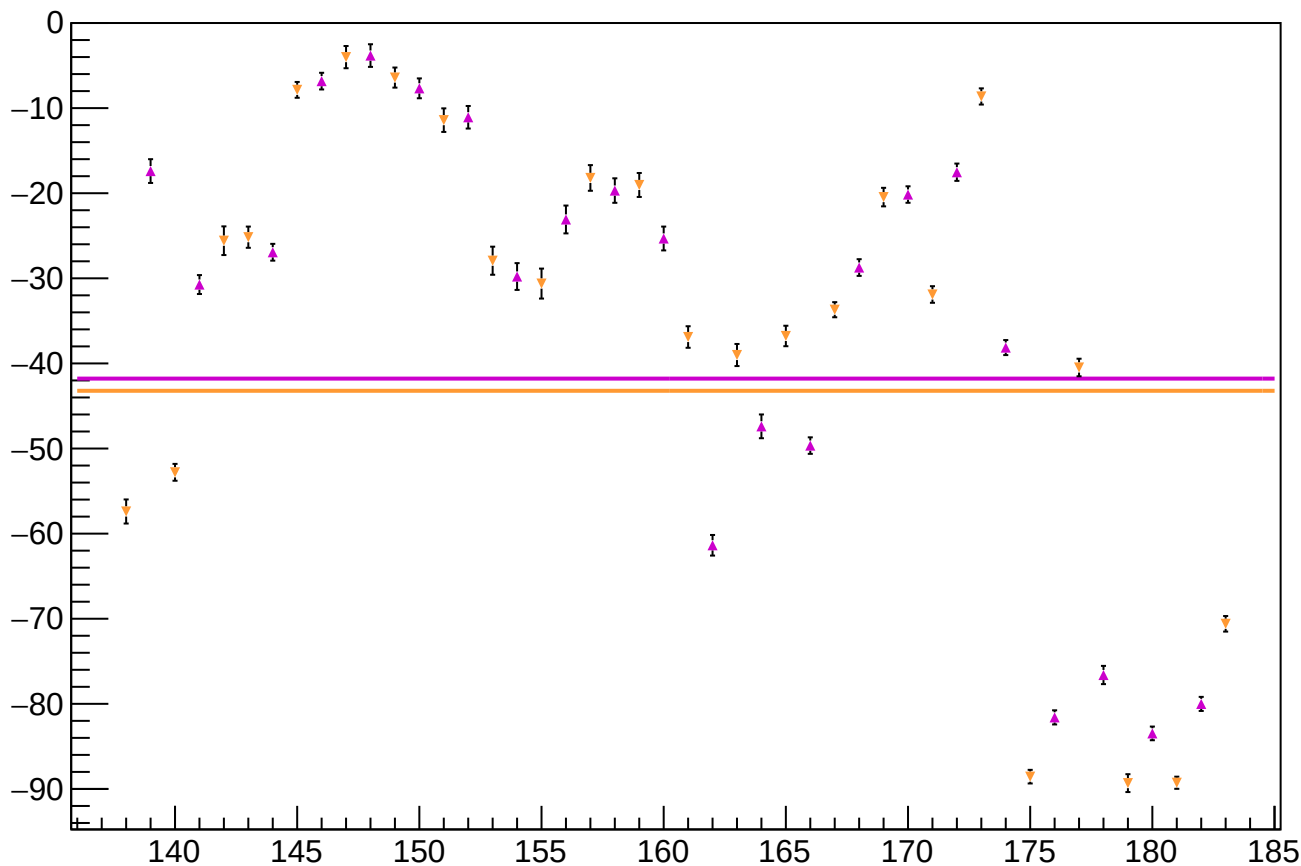
Right: -0.223 ± 0.031 χ^2/NDF : 933.1/35

In: 0.883 ± 0.012 χ^2/NDF : 1744.7/38

Out: 0.903 ± 0.012 χ^2/NDF : 2082.8/42

All: 0.894 ± 0.009 χ^2/NDF : 3828.8/81

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -43.215+/-0.224 χ^2/NDF :17340.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -41.783+/-0.230 χ^2/NDF :14444.1/21

Left: -42.516+/-0.160 χ^2/NDF : 31804.8/45

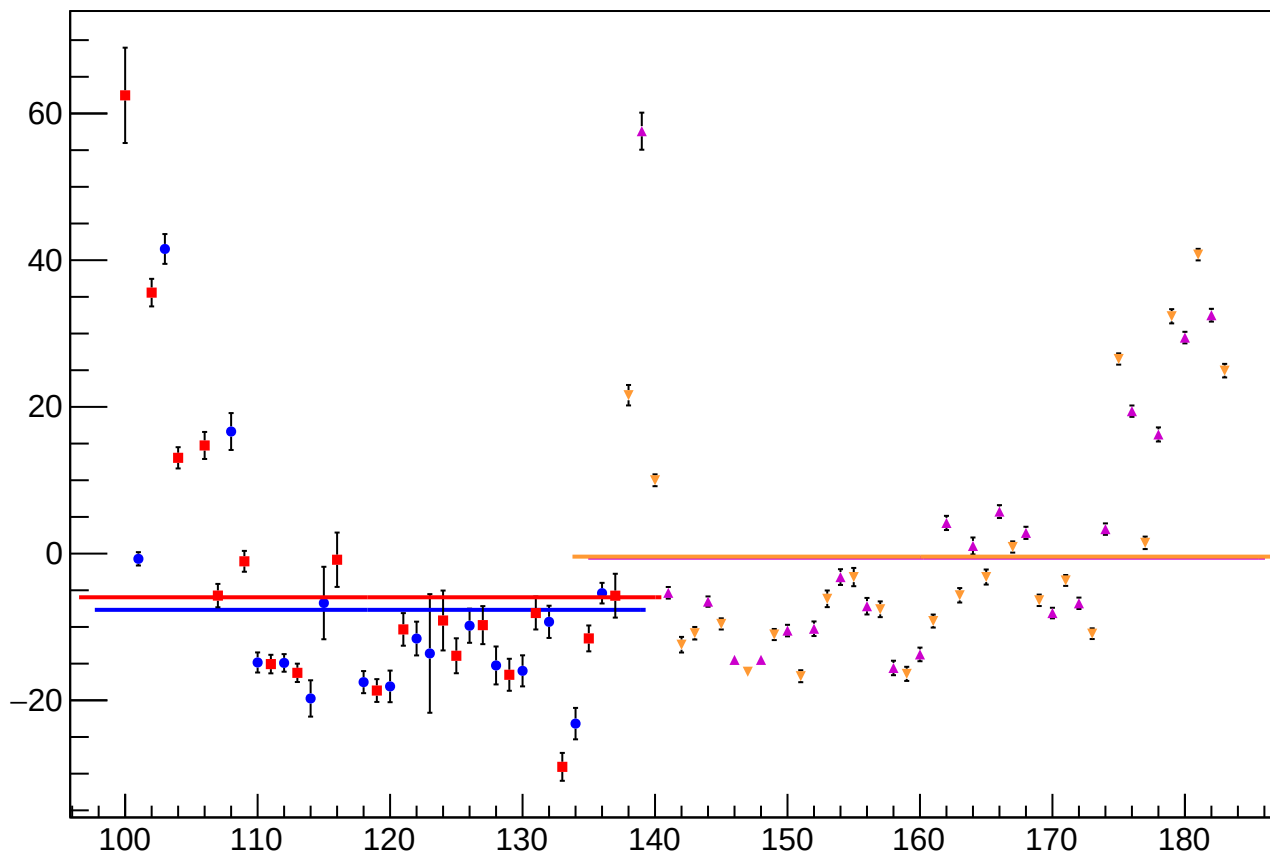
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.783+/-0.230 χ^2/NDF :14444.1/21

Out: -43.215+/-0.224 χ^2/NDF :17340.8/23

All: -42.516+/-0.160 χ^2/NDF : 31804.8/45

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.668 ± 0.431 χ^2/NDF : 975.9/16

Left Out: -0.413 ± 0.176 χ^2/NDF : 8687.6/23

Right Out: -5.954 ± 0.429 χ^2/NDF : 1298.5/18

Left In: -0.554 ± 0.180 χ^2/NDF : 6493.7/21

Left: -0.481 ± 0.126 χ^2/NDF : 15181.7/45

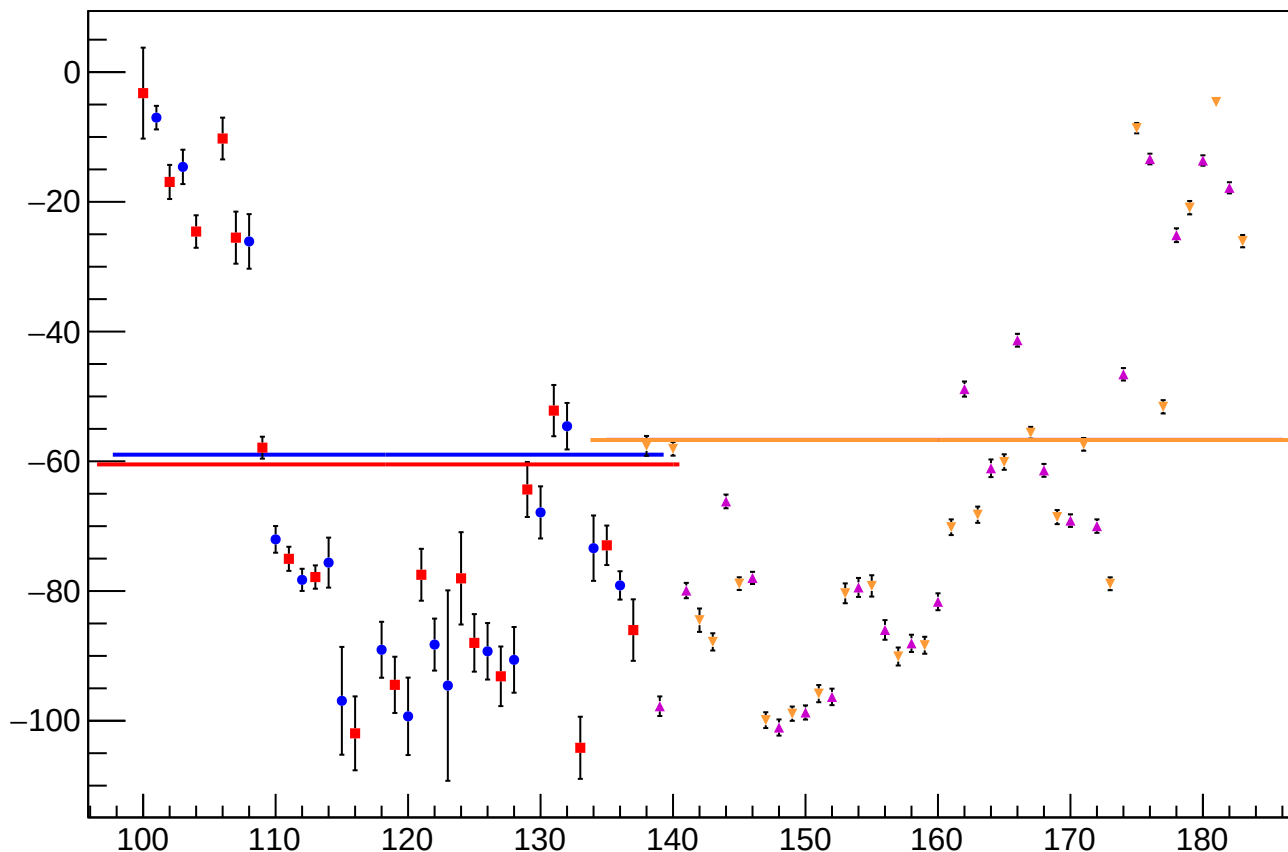
Right: -6.808 ± 0.304 χ^2/NDF : 2282.3/35

In: -1.616 ± 0.166 χ^2/NDF : 7701.7/38

Out: -1.208 ± 0.163 χ^2/NDF : 10128.8/42

All: -1.407 ± 0.116 χ^2/NDF : 17833.6/81

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.976 ± 0.747 χ^2/NDF : 1707.7/16

Left Out: -56.720 ± 0.225 χ^2/NDF : 18104.6/23

Right Out: -60.479 ± 0.705 χ^2/NDF : 1384.2/18

Left In: -56.692 ± 0.229 χ^2/NDF : 16324.6/21

Left: -56.706 ± 0.161 χ^2/NDF : 34429.1/45

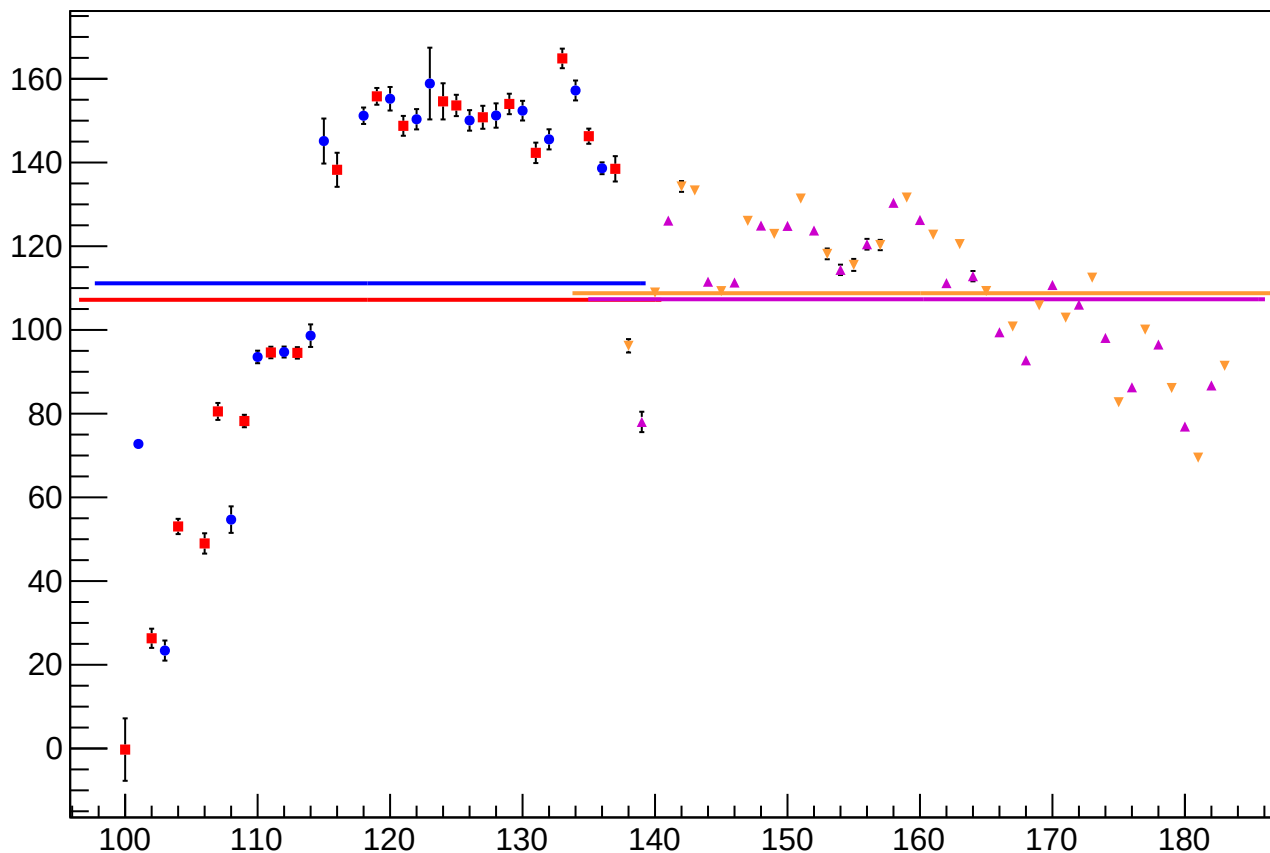
Right: -59.771 ± 0.513 χ^2/NDF : 3094.0/35

In: -56.889 ± 0.219 χ^2/NDF : 18040.8/38

Out: -57.068 ± 0.215 χ^2/NDF : 19514.5/42

All: -56.981 ± 0.153 χ^2/NDF : 37555.6/81

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.139 ± 0.490 χ^2/NDF : 5863.6/16

Left Out: 108.775 ± 0.199 χ^2/NDF : 7393.0/23

Right Out: 107.202 ± 0.488 χ^2/NDF : 7042.9/18

Left In: 107.328 ± 0.204 χ^2/NDF : 5548.9/21

Left: 108.069 ± 0.142 χ^2/NDF : 12967.8/45

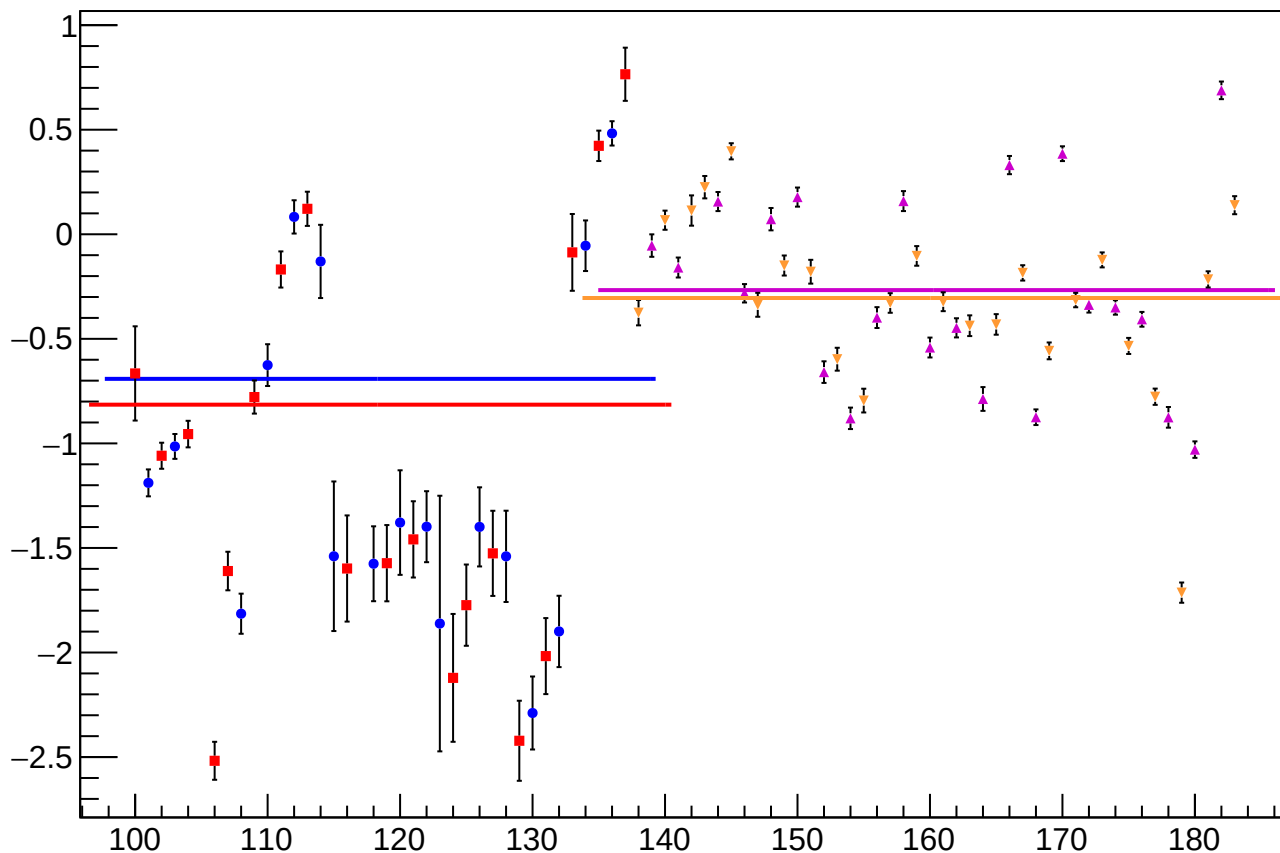
Right: 109.164 ± 0.346 χ^2/NDF : 12938.9/35

In: 107.891 ± 0.188 χ^2/NDF : 11464.1/38

Out: 108.551 ± 0.184 χ^2/NDF : 14444.9/42

All: 108.228 ± 0.132 χ^2/NDF : 25915.2/81

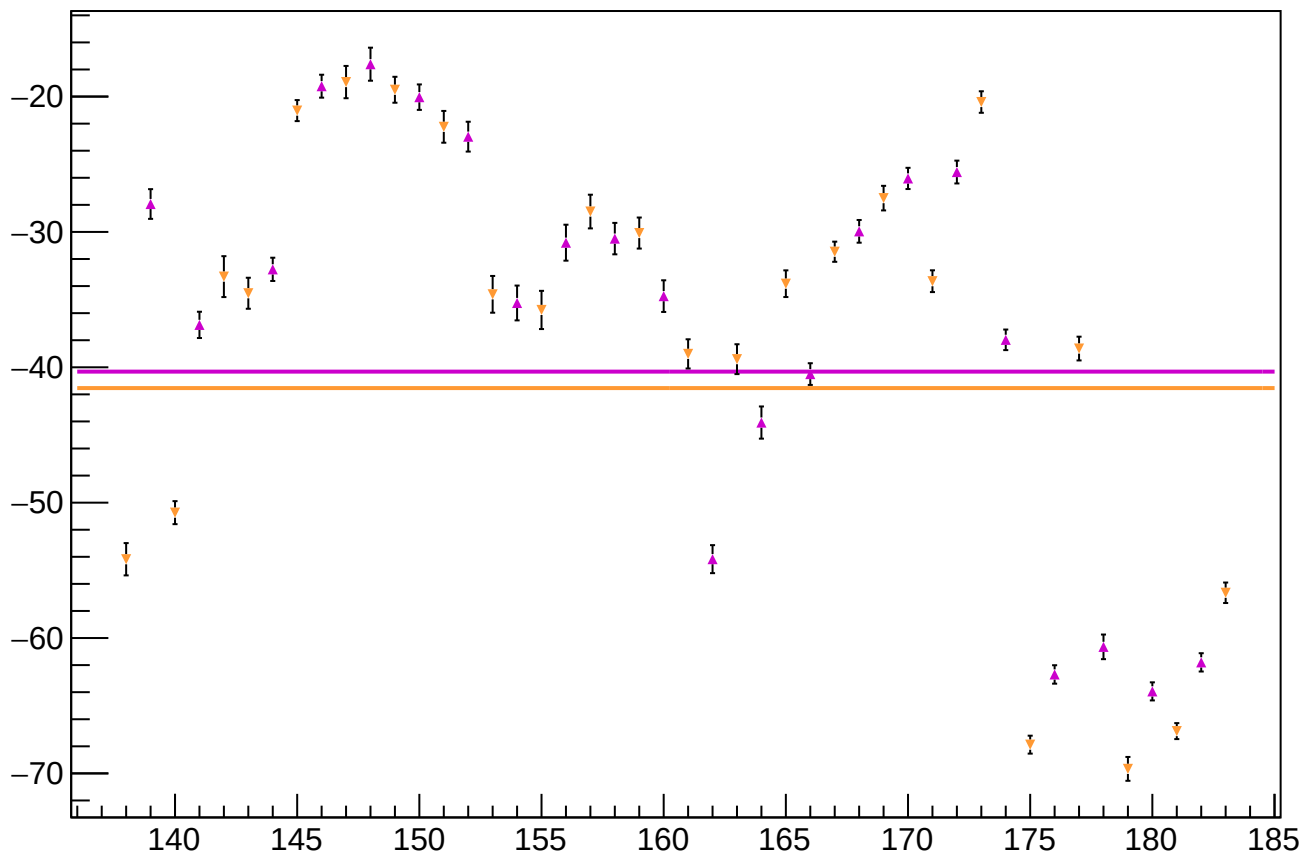
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 ± 0.026 χ^2/NDF : 988.9/16
 Left Out: -0.305 ± 0.009 χ^2/NDF : 1898.6/23
 Right Out: -0.815 ± 0.024 χ^2/NDF : 1302.6/18
 Left In: -0.267 ± 0.009 χ^2/NDF : 2519.2/21

Left: -0.286 ± 0.007 χ^2/NDF : 4426.1/45
 Right: -0.757 ± 0.018 χ^2/NDF : 2303.5/35
 In: -0.316 ± 0.009 χ^2/NDF : 3746.5/38
 Out: -0.368 ± 0.009 χ^2/NDF : 3584.4/42
 All: -0.343 ± 0.006 χ^2/NDF : 7349.0/81

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -41.536 $\pm$ 0.188 χ^2/NDF :8553.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -40.319 $\pm$ 0.192 χ^2/NDF :6883.8/21

Left: -40.940 $\pm$ 0.134 χ^2/NDF : 15457.6/45

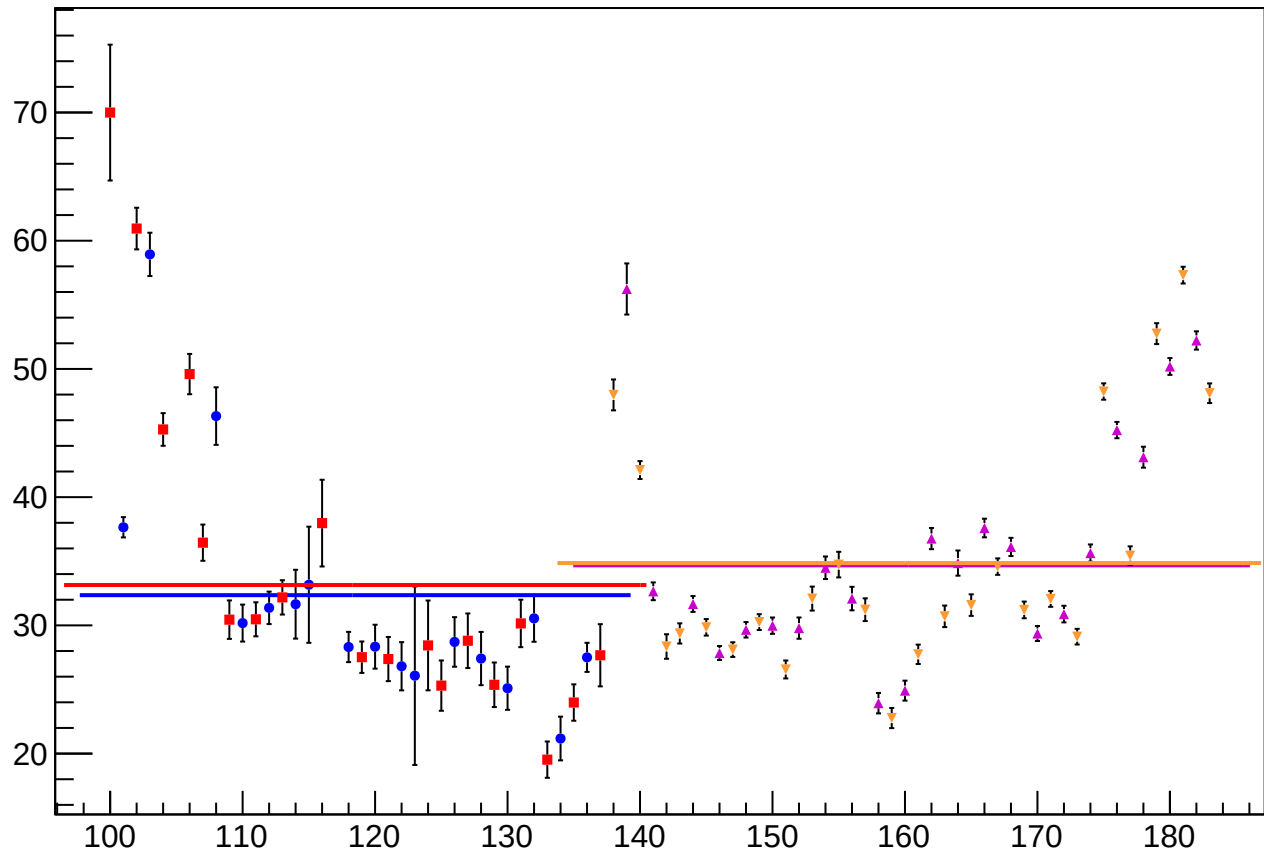
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -40.319 $\pm$ 0.192 χ^2/NDF :6883.8/21

Out: -41.536 $\pm$ 0.188 χ^2/NDF :8553.4/23

All: -40.940 $\pm$ 0.134 χ^2/NDF : 15457.6/45

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.356 $\pm$ 0.376 χ^2 /NDF: 450.5/16

Left Out: 34.860 $\pm$ 0.149 χ^2 /NDF:3654.6/23

Right Out: 33.147 $\pm$ 0.379 χ^2 /NDF: 773.3/18

Left In: 34.679 $\pm$ 0.153 χ^2 /NDF:2506.2/21

Left: 34.772 $\pm$ 0.107 χ^2 /NDF: 6161.5/45

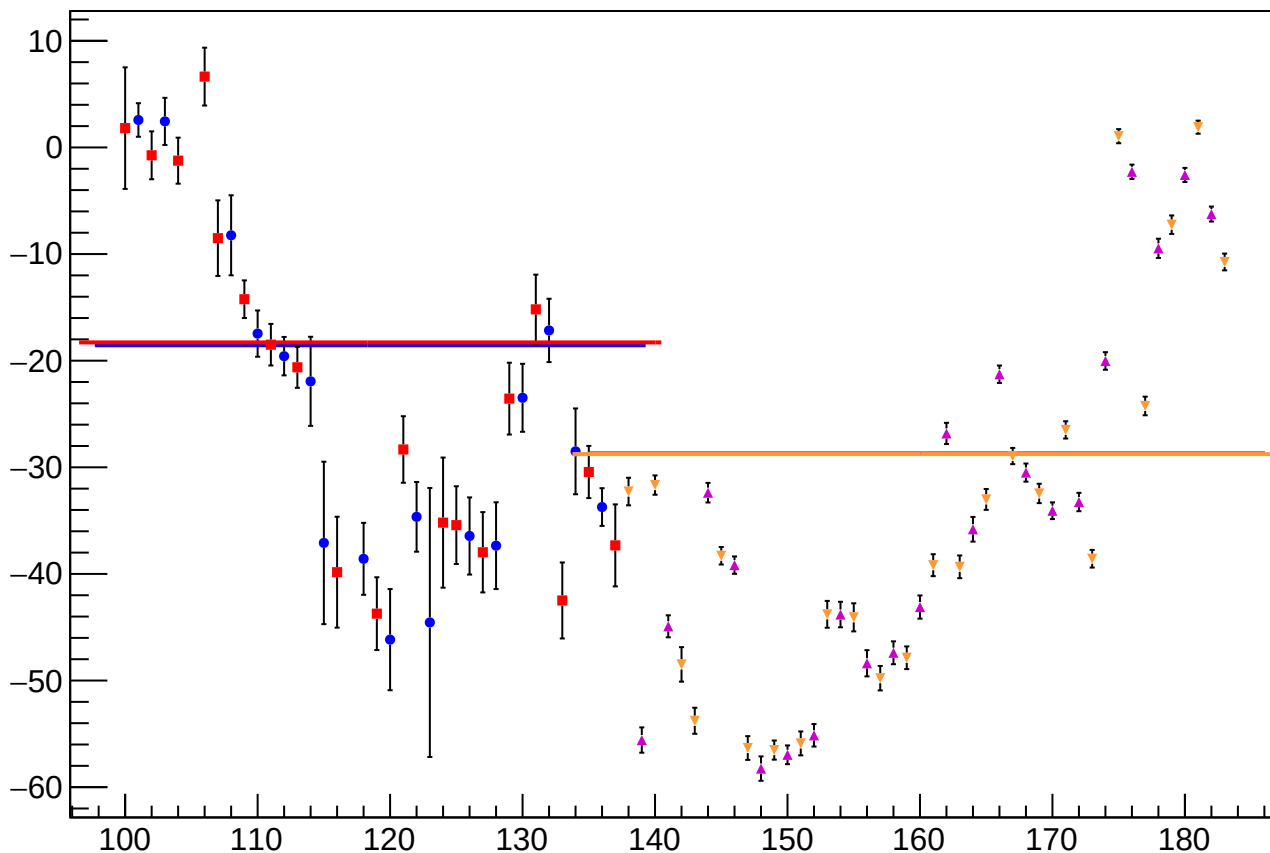
Right: 32.748 $\pm$ 0.267 χ^2 /NDF: 1226.0/35

In: 34.350 $\pm$ 0.142 χ^2 /NDF:2989.5/38

Out: 34.632 $\pm$ 0.138 χ^2 /NDF:4445.6/42

All: 34.494 $\pm$ 0.099 χ^2 /NDF: 7437.1/81

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.549 ± 0.669 χ^2/NDF : 511.1/16

Left Out: -28.758 ± 0.189 χ^2/NDF : 9891.5/23

Right Out: -18.286 ± 0.645 χ^2/NDF : 473.5/18

Left In: -28.692 ± 0.192 χ^2/NDF : 9033.6/21

Left: -28.726 ± 0.135 χ^2/NDF : 18925.1/45

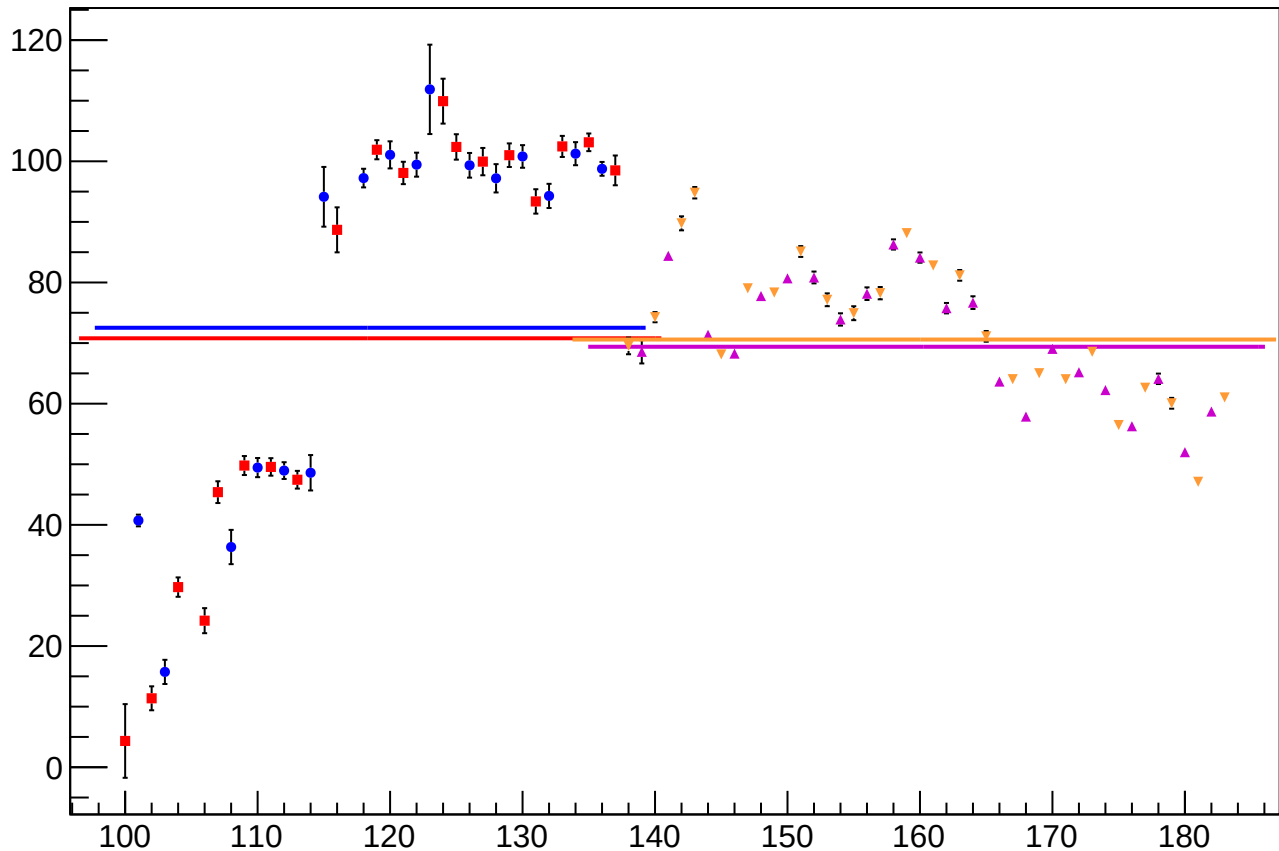
Right: -18.413 ± 0.464 χ^2/NDF : 984.6/35

In: -27.920 ± 0.184 χ^2/NDF : 9757.3/38

Out: -27.930 ± 0.181 χ^2/NDF : 10608.0/42

All: -27.925 ± 0.129 χ^2/NDF : 20365.4/81

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.529 $\pm$ 0.429 χ^2 /NDF: 4672.2/16

Left Out: 70.587 $\pm$ 0.168 χ^2 /NDF:4588.0/23

Right Out: 70.790 $\pm$ 0.434 χ^2 /NDF: 5494.5/18

Left In: 69.393 $\pm$ 0.172 χ^2 /NDF:3321.8/21

Left: 70.004 $\pm$ 0.120 χ^2 /NDF: 7934.5/45

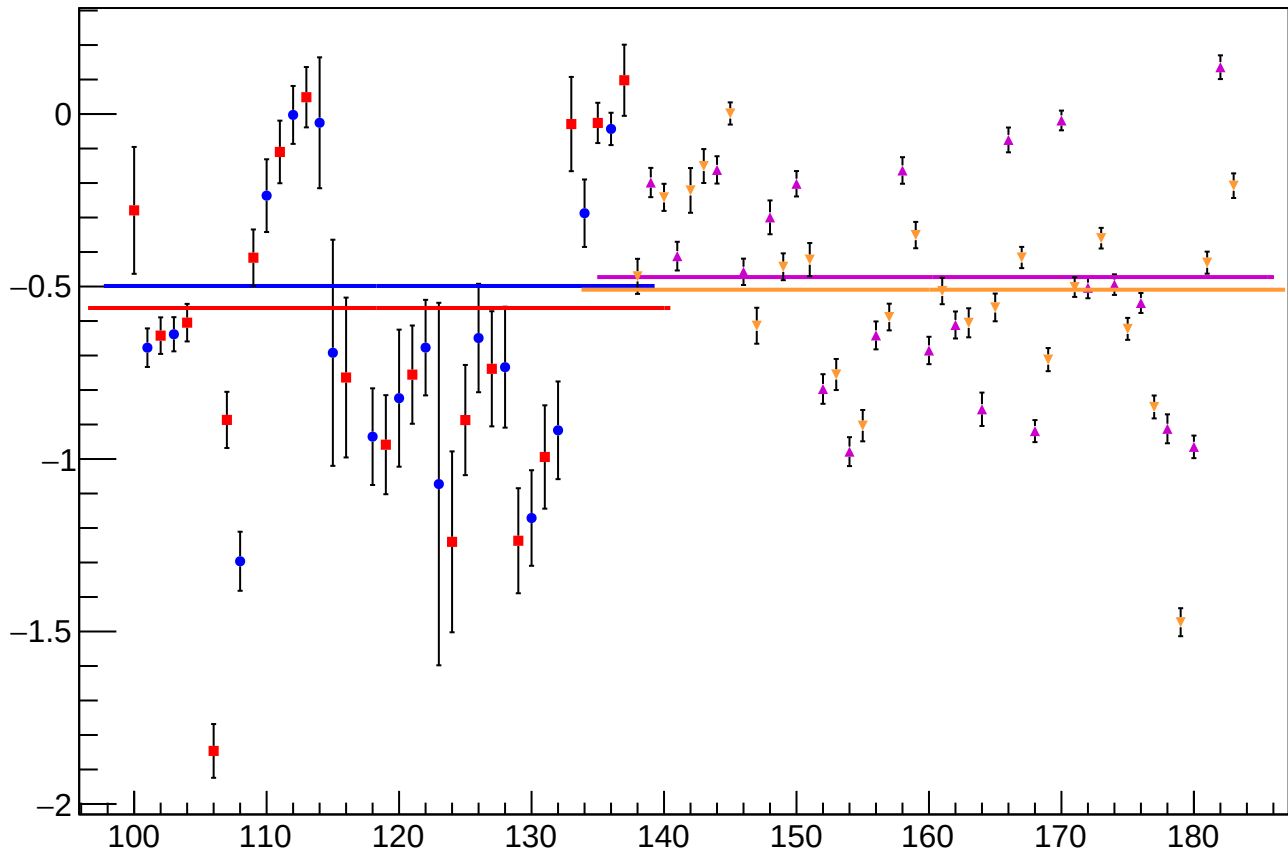
Right: 71.669 $\pm$ 0.305 χ^2 /NDF: 10174.8/35

In: 69.826 $\pm$ 0.159 χ^2 /NDF:8040.0/38

Out: 70.613 $\pm$ 0.156 χ^2 /NDF:10082.7/42

All: 70.227 $\pm$ 0.112 χ^2 /NDF: 18135.1/81

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.1/16

Left Out: -0.509 ± 0.008 χ^2/NDF : 1344.6/23

Right Out: -0.562 ± 0.021 χ^2/NDF : 560.3/18

Left In: -0.473 ± 0.008 χ^2/NDF : 1787.4/21

Left: -0.491 ± 0.005 χ^2/NDF : 3143.2/45

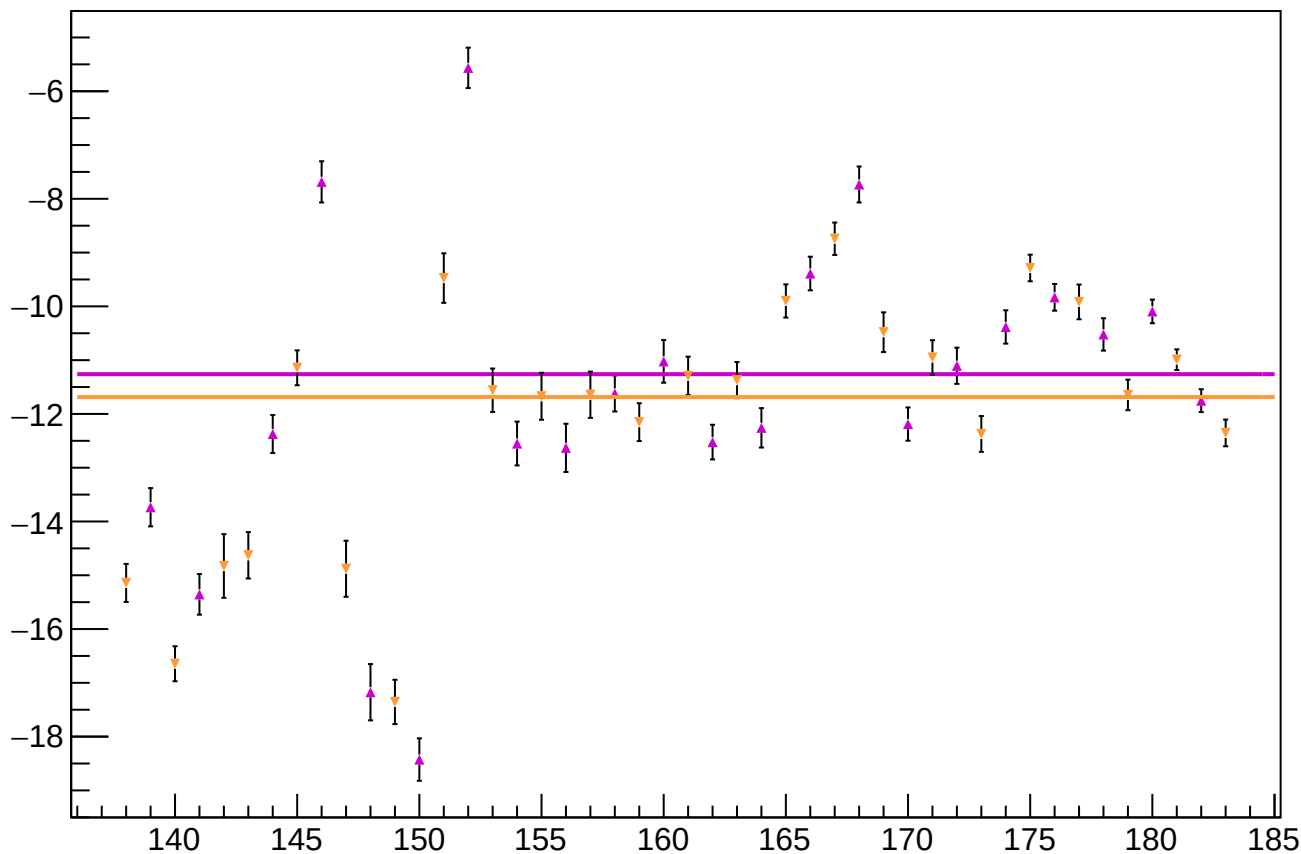
Right: -0.532 ± 0.015 χ^2/NDF : 866.6/35

In: -0.475 ± 0.007 χ^2/NDF : 2090.7/38

Out: -0.515 ± 0.007 χ^2/NDF : 1910.3/42

All: -0.496 ± 0.005 χ^2/NDF : 4016.0/81

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -11.686+/-0.067 χ^2/NDF :952.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -11.260+/-0.069 χ^2/NDF :1230.6/21

Left: -11.479+/-0.048 χ^2/NDF : 2203.0/45

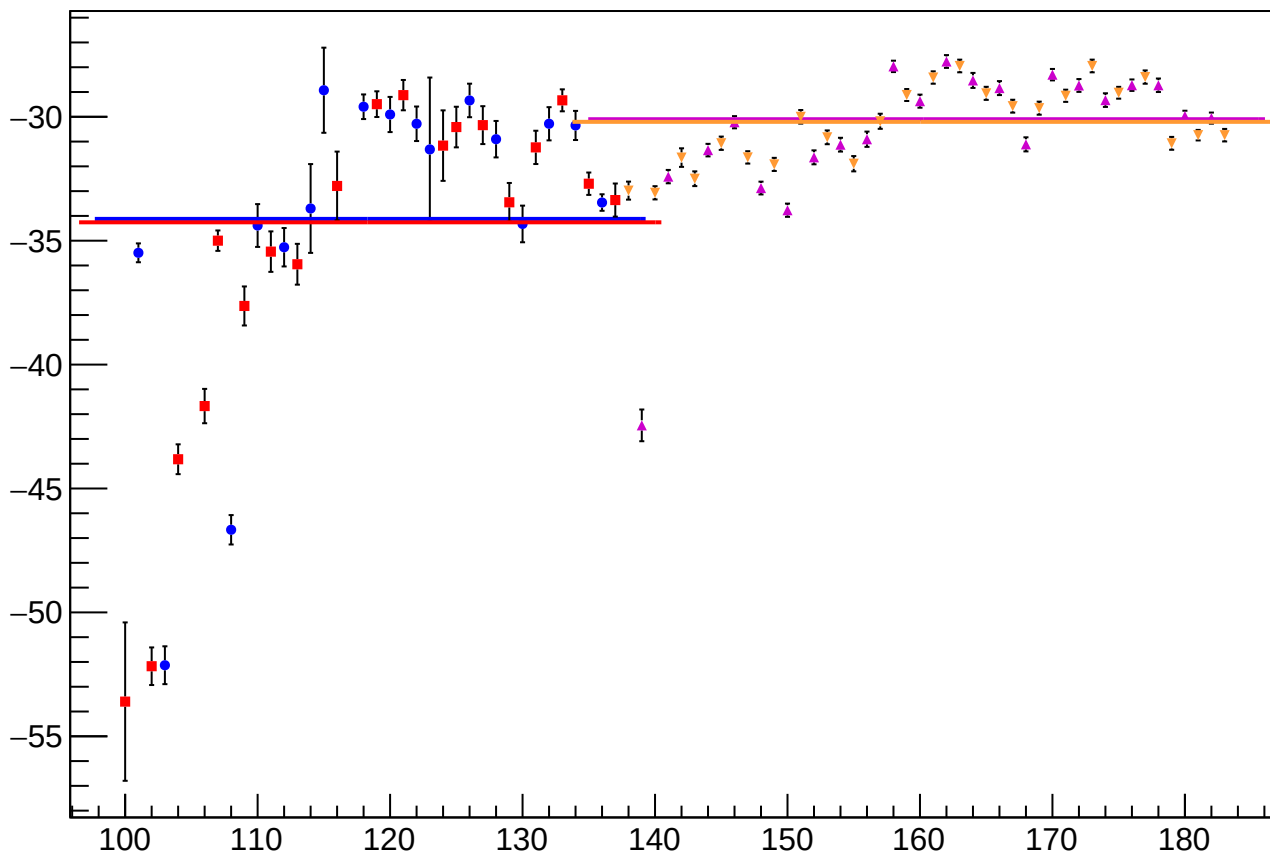
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.260+/-0.069 χ^2/NDF :1230.6/21

Out: -11.686+/-0.067 χ^2/NDF :952.9/23

All: -11.479+/-0.048 χ^2/NDF : 2203.0/45

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.120 ± 0.152 $\chi^2/\text{NDF}: 1324.4/16$

Left Out: -30.204 ± 0.054 $\chi^2/\text{NDF}: 732.6/23$

Right Out: -34.258 ± 0.151 $\chi^2/\text{NDF}: 1356.1/18$

Left In: -30.098 ± 0.056 $\chi^2/\text{NDF}: 1216.2/21$

Left: -30.152 ± 0.039 $\chi^2/\text{NDF}: 1950.6/45$

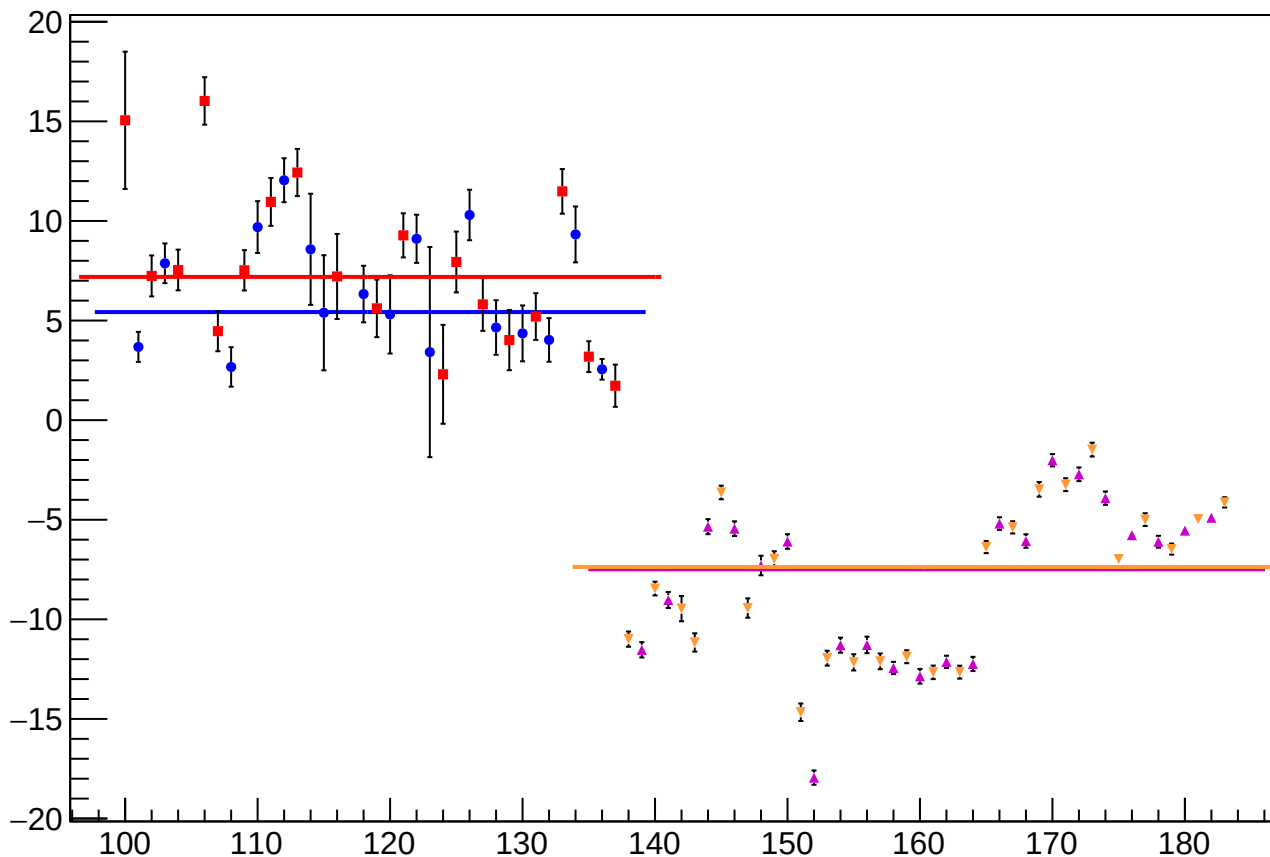
Right: -34.190 ± 0.107 $\chi^2/\text{NDF}: 2680.8/35$

In: -30.580 ± 0.053 $\chi^2/\text{NDF}: 3157.0/38$

Out: -30.668 ± 0.051 $\chi^2/\text{NDF}: 2727.1/42$

All: -30.626 ± 0.037 $\chi^2/\text{NDF}: 5885.5/81$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.427 ± 0.271 $\chi^2/\text{NDF}: 132.7/16$

Left Out: -7.371 ± 0.068 $\chi^2/\text{NDF}: 2702.9/23$

Right Out: 7.192 ± 0.275 $\chi^2/\text{NDF}: 182.2/18$

Left In: -7.490 ± 0.069 $\chi^2/\text{NDF}: 3081.4/21$

Left: -7.429 ± 0.048 $\chi^2/\text{NDF}: 5785.9/45$

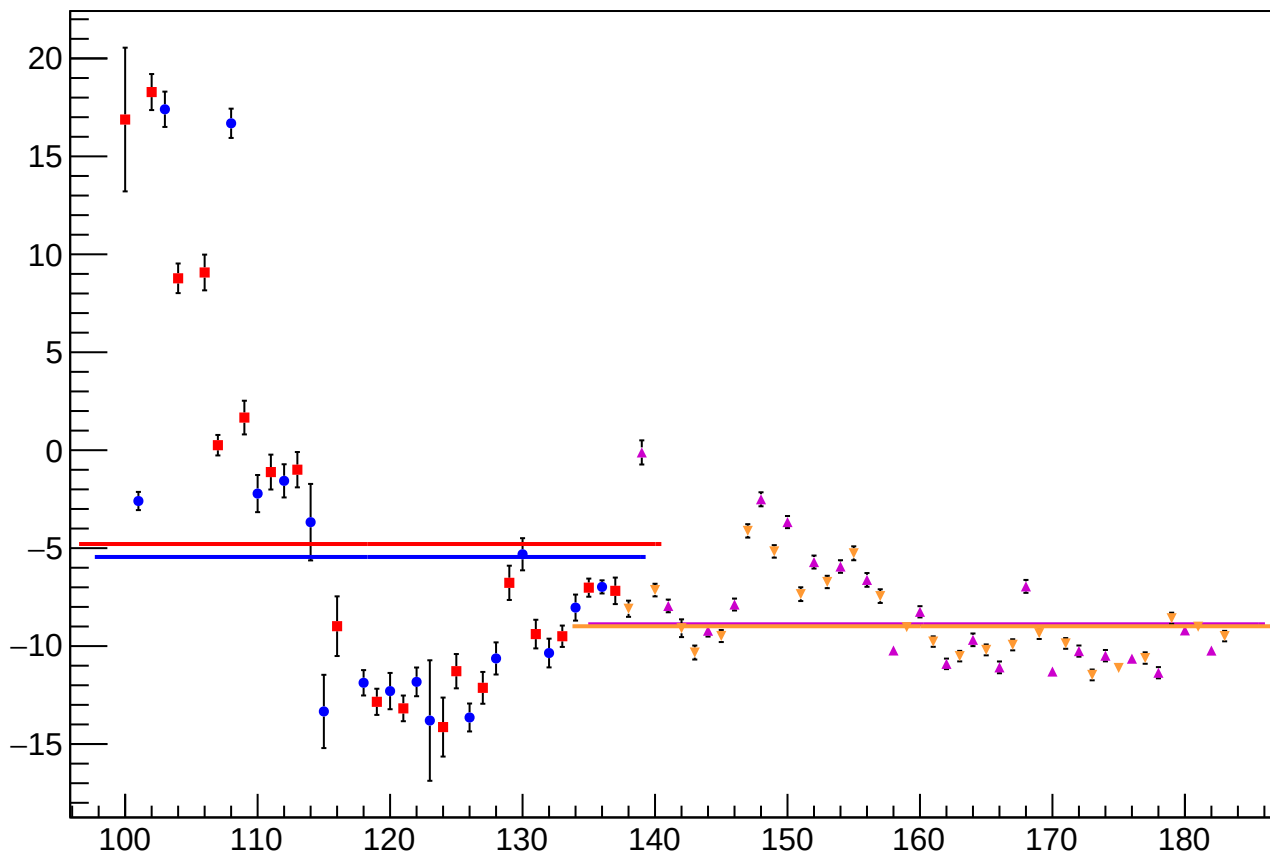
Right: 6.296 ± 0.193 $\chi^2/\text{NDF}: 335.8/35$

In: -6.705 ± 0.067 $\chi^2/\text{NDF}: 5352.4/38$

Out: -6.542 ± 0.066 $\chi^2/\text{NDF}: 5533.2/42$

All: -6.622 ± 0.047 $\chi^2/\text{NDF}: 10888.7/81$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.450 ± 0.171 $\chi^2/\text{NDF}: 2097.1/16$

Left Out: -8.988 ± 0.061 $\chi^2/\text{NDF}: 874.1/23$

Right Out: -4.789 ± 0.173 $\chi^2/\text{NDF}: 2047.5/18$

Left In: -8.887 ± 0.062 $\chi^2/\text{NDF}: 1531.9/21$

Left: -8.939 ± 0.044 $\chi^2/\text{NDF}: 2407.3/45$

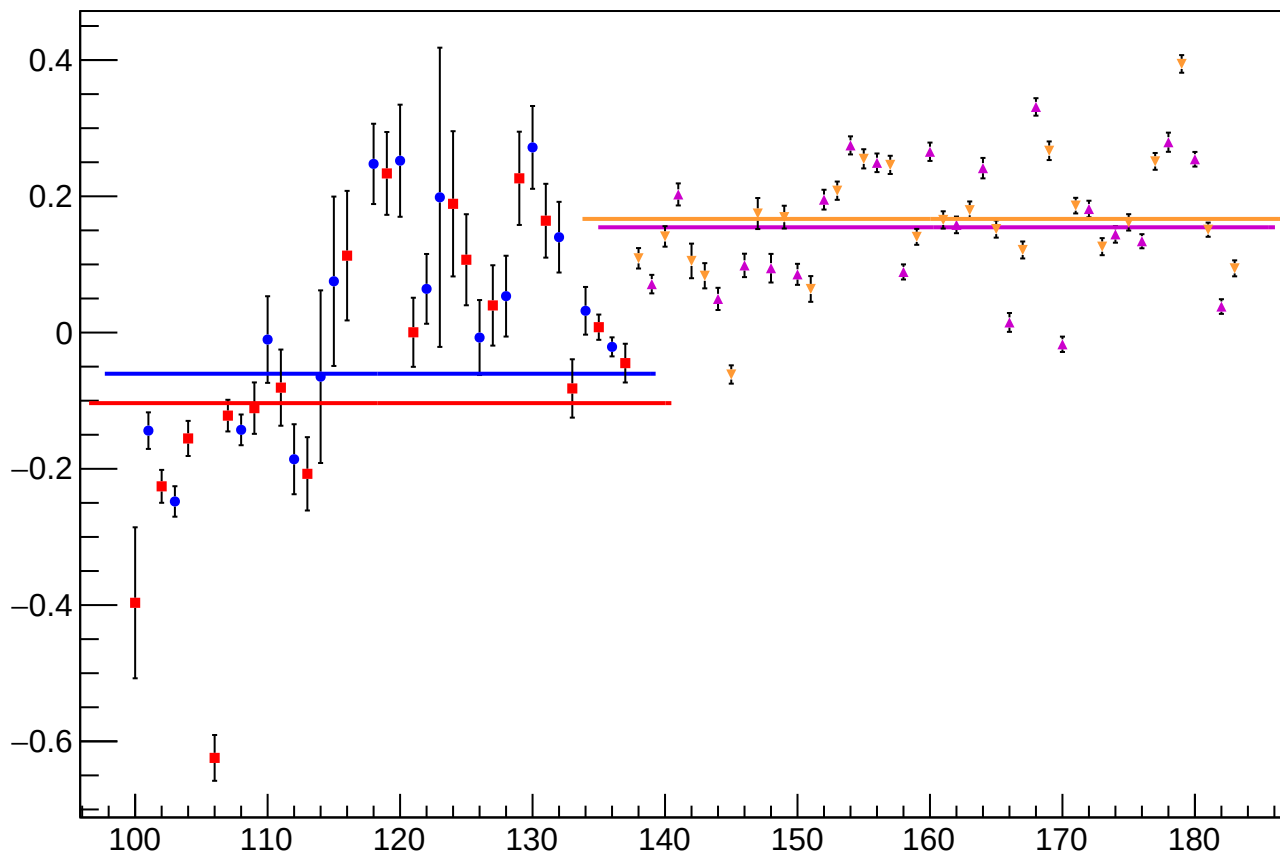
Right: -5.124 ± 0.122 $\chi^2/\text{NDF}: 4151.9/35$

In: -8.484 ± 0.059 $\chi^2/\text{NDF}: 3985.3/38$

Out: -8.528 ± 0.057 $\chi^2/\text{NDF}: 3445.1/42$

All: -8.507 ± 0.041 $\chi^2/\text{NDF}: 7430.7/81$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 214.5/16

Left Out: 0.167 ± 0.003 χ^2/NDF : 930.5/23

Right Out: -0.104 ± 0.008 χ^2/NDF : 433.1/18

Left In: 0.155 ± 0.003 χ^2/NDF : 1215.6/21

Left: 0.161 ± 0.002 χ^2/NDF : 2155.9/45

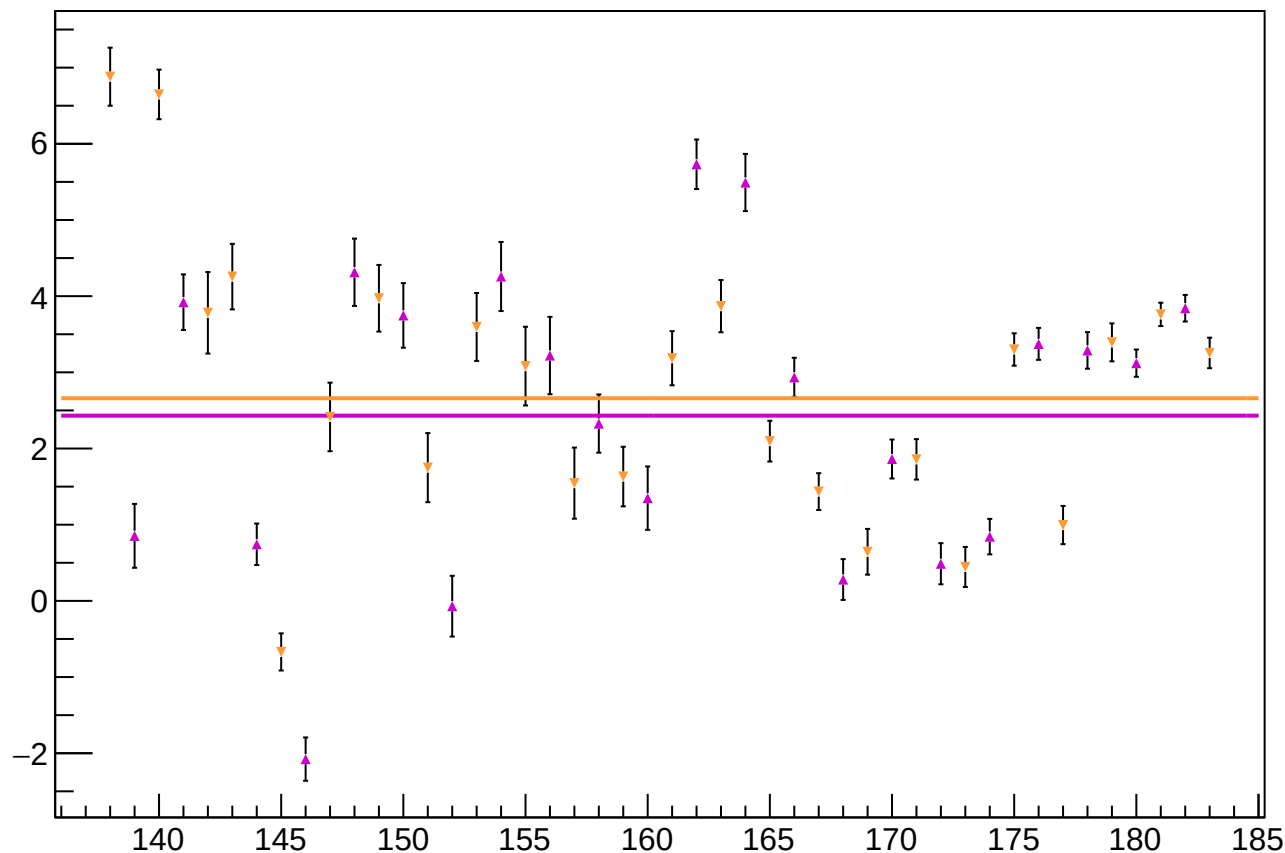
Right: -0.082 ± 0.006 χ^2/NDF : 660.7/35

In: 0.133 ± 0.003 χ^2/NDF : 2018.5/38

Out: 0.141 ± 0.003 χ^2/NDF : 2290.0/42

All: 0.137 ± 0.002 χ^2/NDF : 4312.6/81

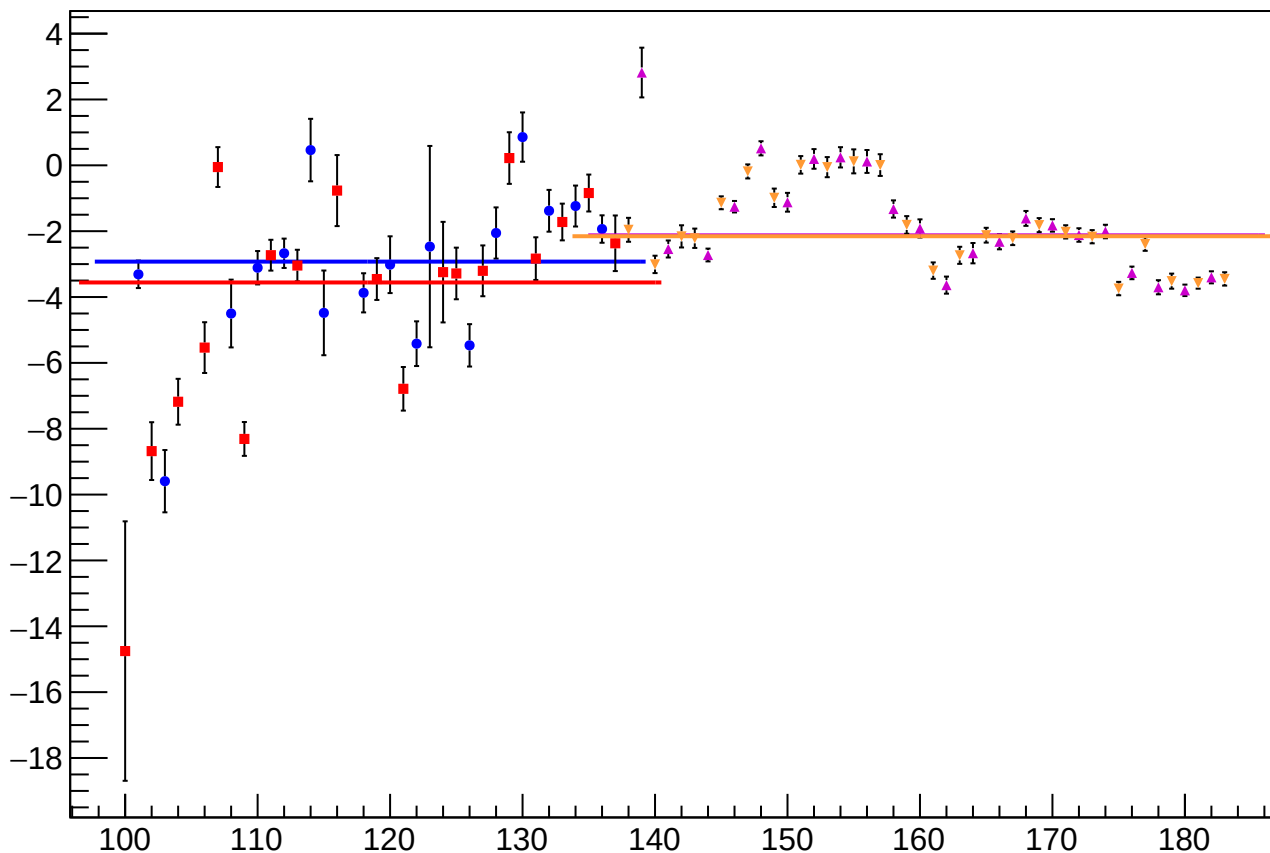
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.660 $\pm$ 0.059 χ^2/NDF :800.8/23
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 2.431 $\pm$ 0.060 χ^2/NDF :867.4/21

Left: 2.548 $\pm$ 0.042 χ^2/NDF : 1675.5/45
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 2.431 $\pm$ 0.060 χ^2/NDF :867.4/21
 Out: 2.660 $\pm$ 0.059 χ^2/NDF :800.8/23
 All: 2.548 $\pm$ 0.042 χ^2/NDF : 1675.5/45

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.925 ± 0.155 χ^2/NDF : 144.9/16

Left Out: -2.154 ± 0.048 χ^2/NDF : 572.4/23

Right Out: -3.558 ± 0.155 χ^2/NDF : 290.8/18

Left In: -2.126 ± 0.049 χ^2/NDF : 689.1/21

Left: -2.140 ± 0.034 χ^2/NDF : 1261.6/45

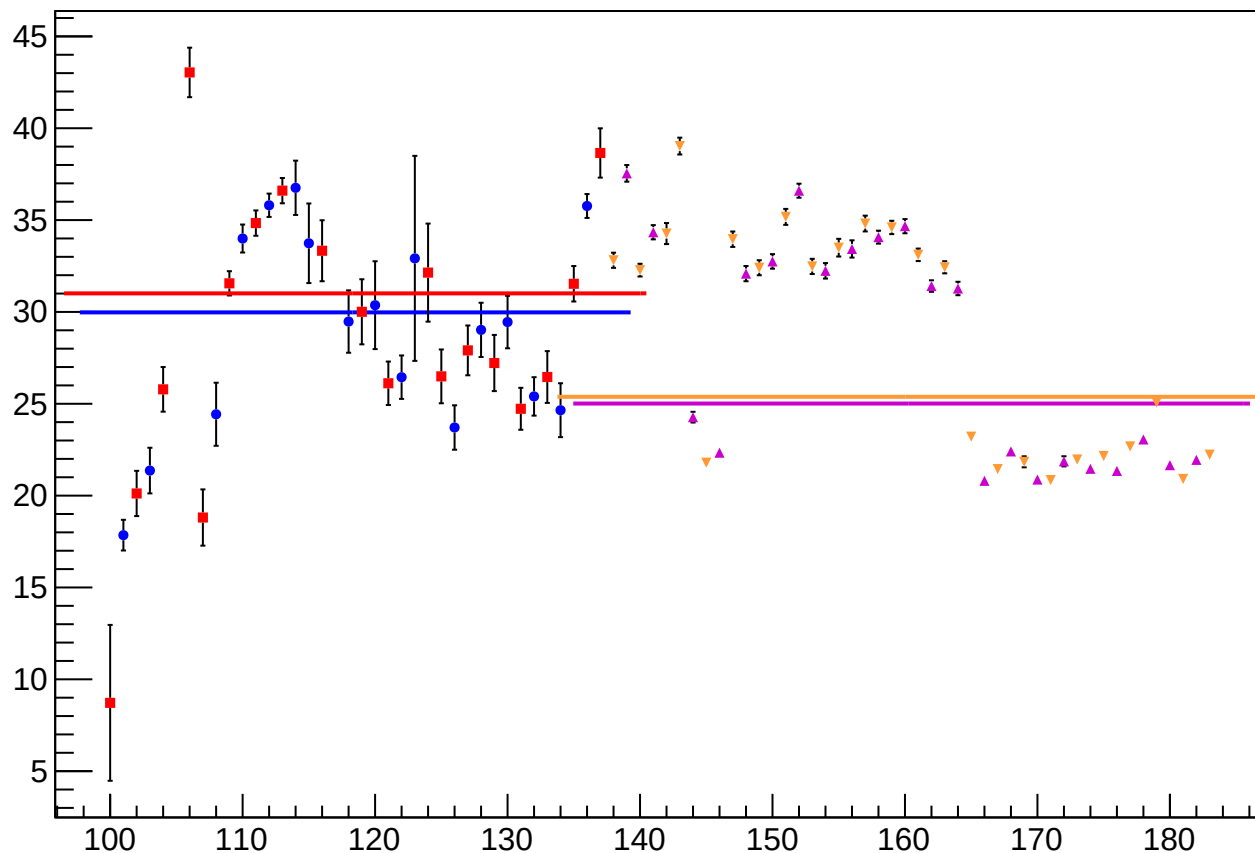
Right: -3.242 ± 0.110 χ^2/NDF : 444.1/35

In: -2.198 ± 0.047 χ^2/NDF : 858.2/38

Out: -2.278 ± 0.046 χ^2/NDF : 938.2/42

All: -2.239 ± 0.033 χ^2/NDF : 1797.8/81

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.976 $\pm$ 0.268 χ^2 /NDF: 554.0/16

Left Out: 25.379 $\pm$ 0.060 χ^2 /NDF: 8201.2/23

Right Out: 31.010 $\pm$ 0.260 χ^2 /NDF: 478.7/18

Left In: 25.012 $\pm$ 0.060 χ^2 /NDF: 7609.0/21

Left: 25.198 $\pm$ 0.042 χ^2 /NDF: 15828.8/45

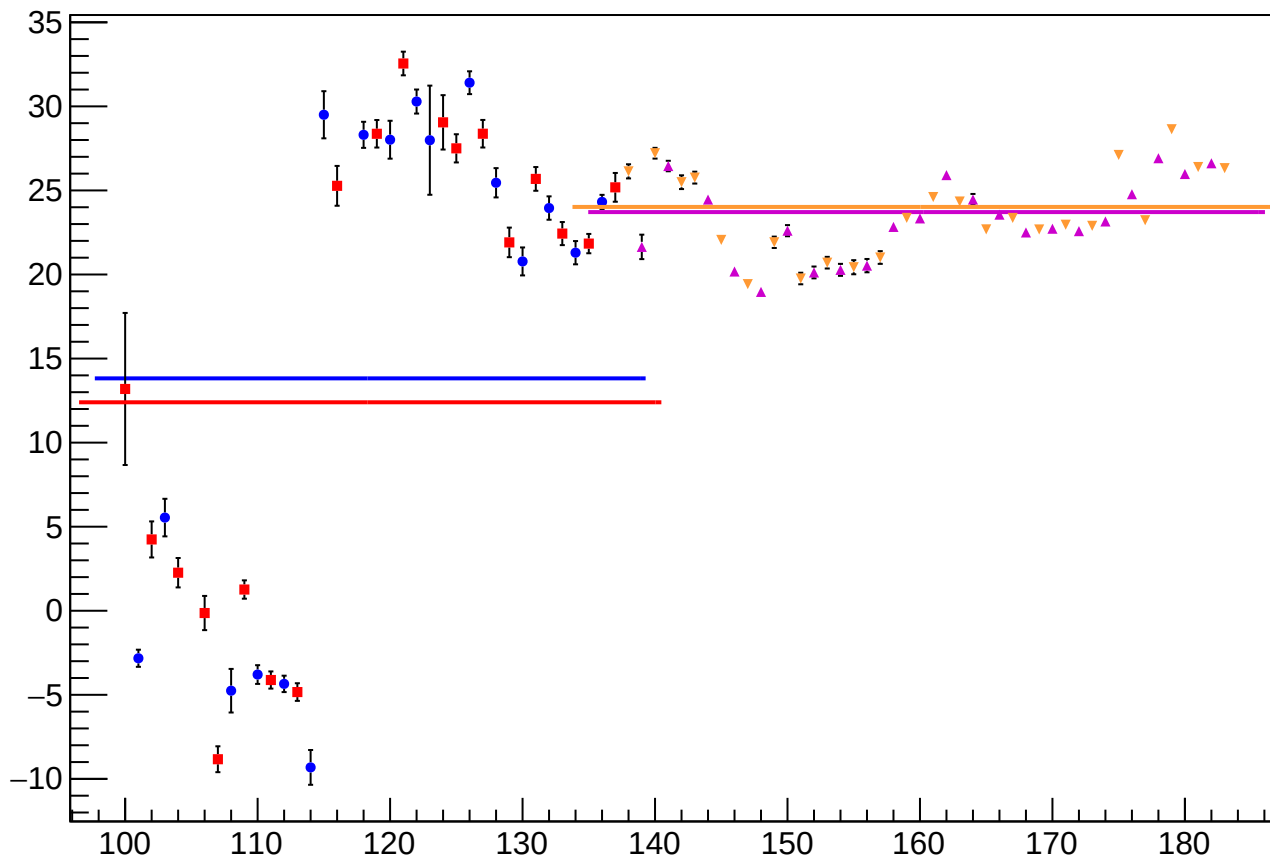
Right: 30.507 $\pm$ 0.187 χ^2 /NDF: 1040.4/35

In: 25.253 $\pm$ 0.059 χ^2 /NDF: 8489.8/38

Out: 25.660 $\pm$ 0.058 χ^2 /NDF: 9124.1/42

All: 25.459 $\pm$ 0.041 χ^2 /NDF: 17638.1/81

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.822 $\pm$ 0.173 χ^2 /NDF: 7274.7/16

Left Out: 24.019 $\pm$ 0.054 χ^2 /NDF:1880.5/23

Right Out: 12.399 $\pm$ 0.174 χ^2 /NDF: 6952.8/18

Left In: 23.712 $\pm$ 0.055 χ^2 /NDF:1630.4/21

Left: 23.868 $\pm$ 0.038 χ^2 /NDF: 3526.9/45

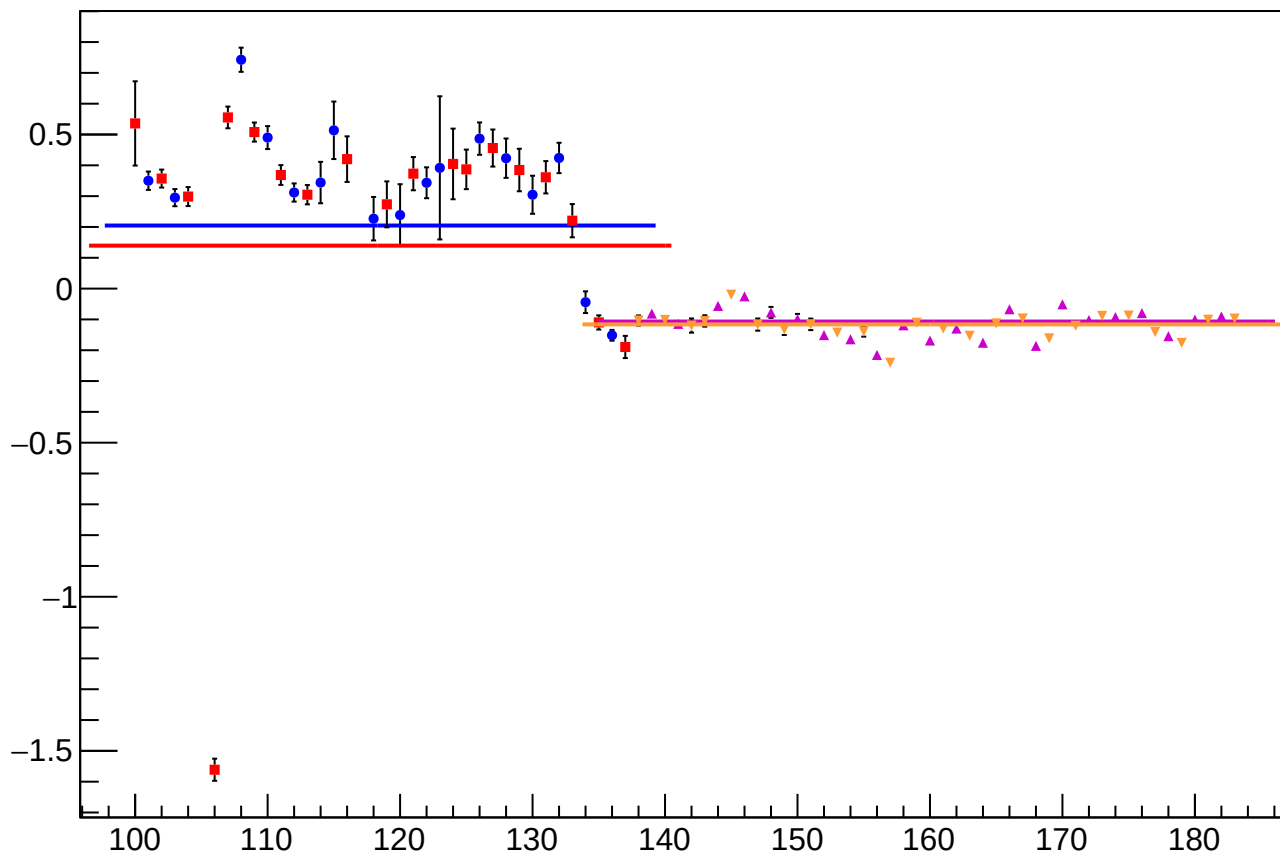
Right: 13.115 $\pm$ 0.123 χ^2 /NDF: 14261.1/35

In: 22.814 $\pm$ 0.052 χ^2 /NDF:11876.0/38

Out: 23.002 $\pm$ 0.051 χ^2 /NDF:12903.1/42

All: 22.909 $\pm$ 0.037 χ^2 /NDF: 24785.7/81

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 846.4/16

Left Out: -0.116 ± 0.002 χ^2/NDF : 258.6/23

Right Out: 0.139 ± 0.009 χ^2/NDF : 3013.6/18

Left In: -0.107 ± 0.002 χ^2/NDF : 321.6/21

Left: -0.112 ± 0.002 χ^2/NDF : 587.2/45

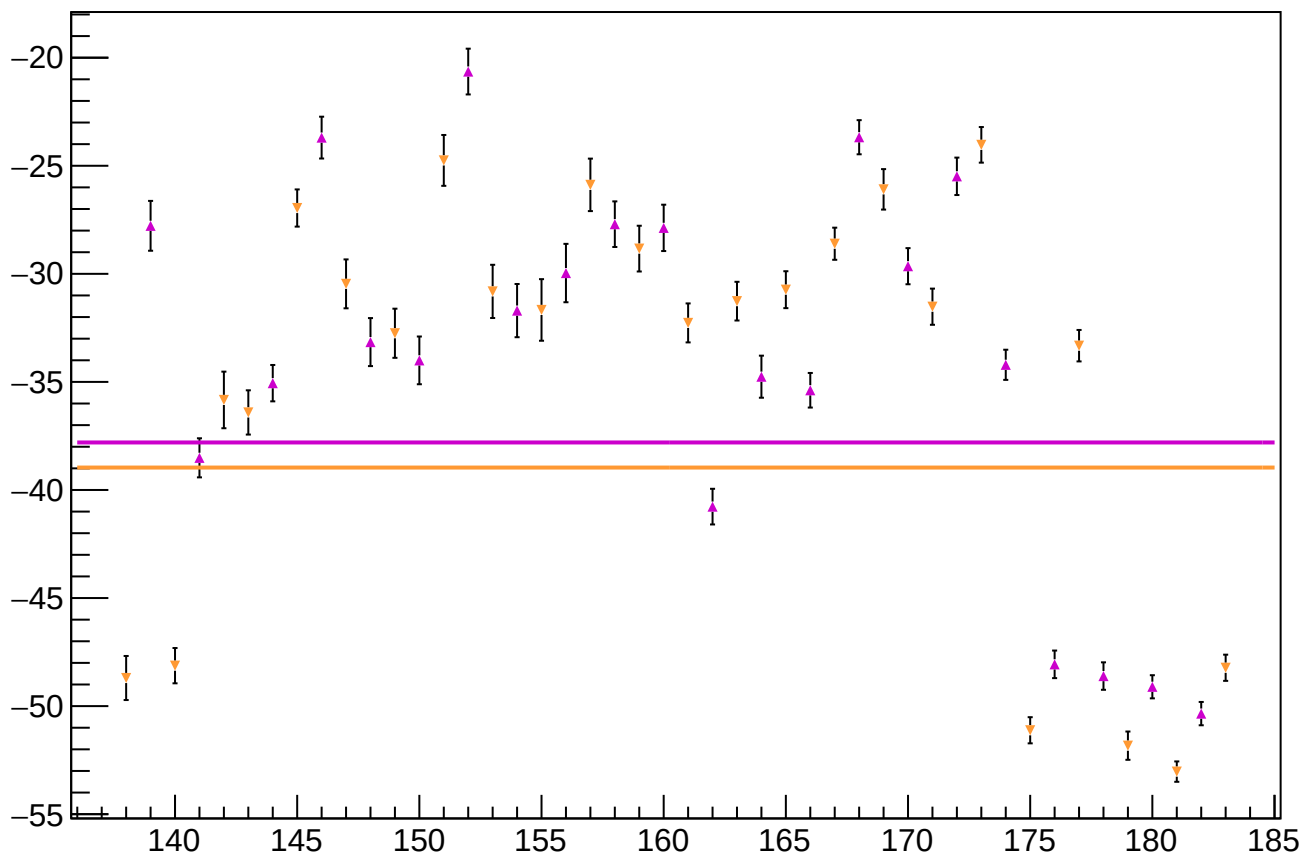
Right: 0.171 ± 0.007 χ^2/NDF : 3884.7/35

In: -0.086 ± 0.002 χ^2/NDF : 2196.9/38

Out: -0.099 ± 0.002 χ^2/NDF : 3989.4/42

All: -0.093 ± 0.002 χ^2/NDF : 6200.5/81

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: -38.963+/-0.171 χ^2 /NDF:3921.3/23

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: -37.802+/-0.176 χ^2 /NDF:3037.7/21

Left: -38.399+/-0.123 χ^2 /NDF: 6981.4/45

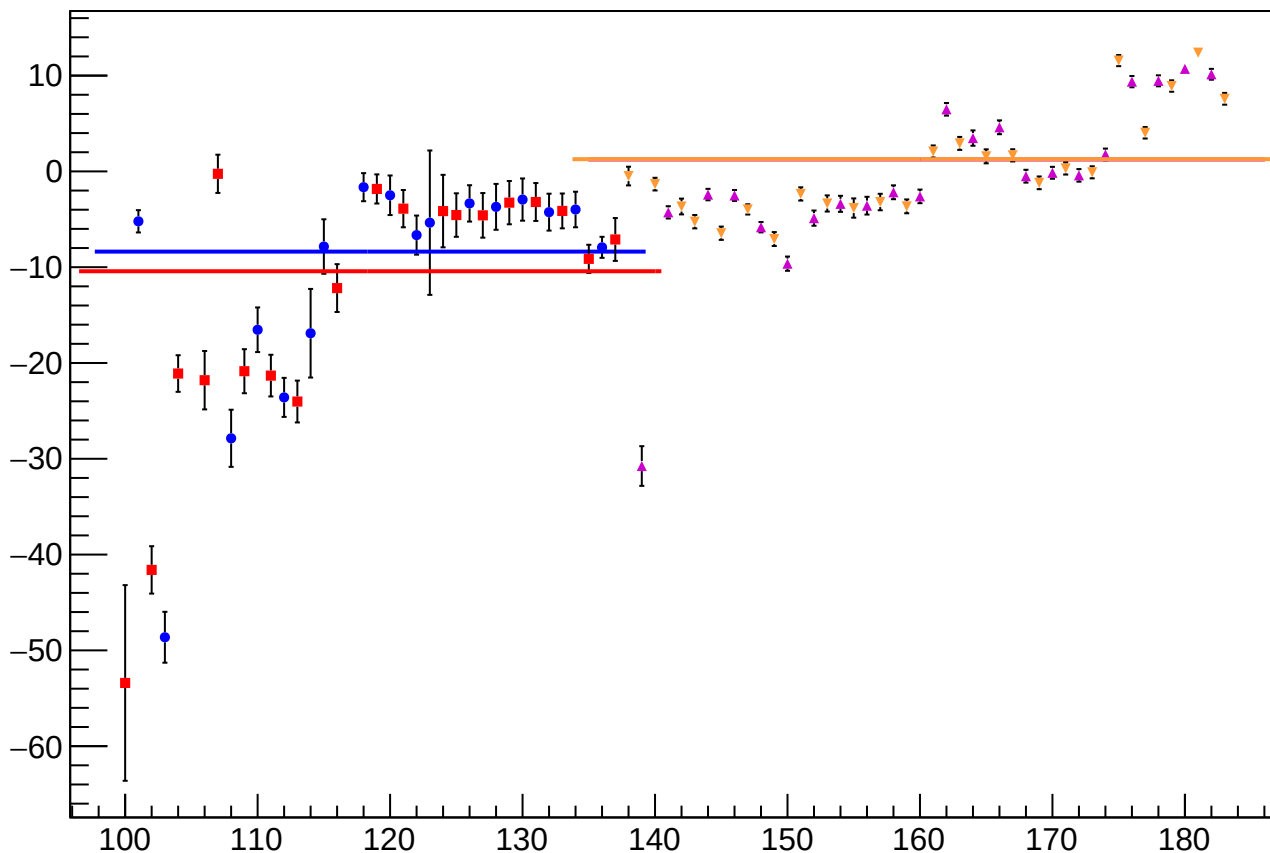
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -37.802+/-0.176 χ^2 /NDF:3037.7/21

Out: -38.963+/-0.171 χ^2 /NDF:3921.3/23

All: -38.399+/-0.123 χ^2 /NDF: 6981.4/45

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.373 ± 0.467 χ^2/NDF : 408.5/16

Left Out: 1.274 ± 0.137 χ^2/NDF : 1737.0/23

Right Out: -10.423 ± 0.492 χ^2/NDF : 429.8/18

Left In: 1.242 ± 0.141 χ^2/NDF : 2029.4/21

Left: 1.258 ± 0.098 χ^2/NDF : 3766.4/45

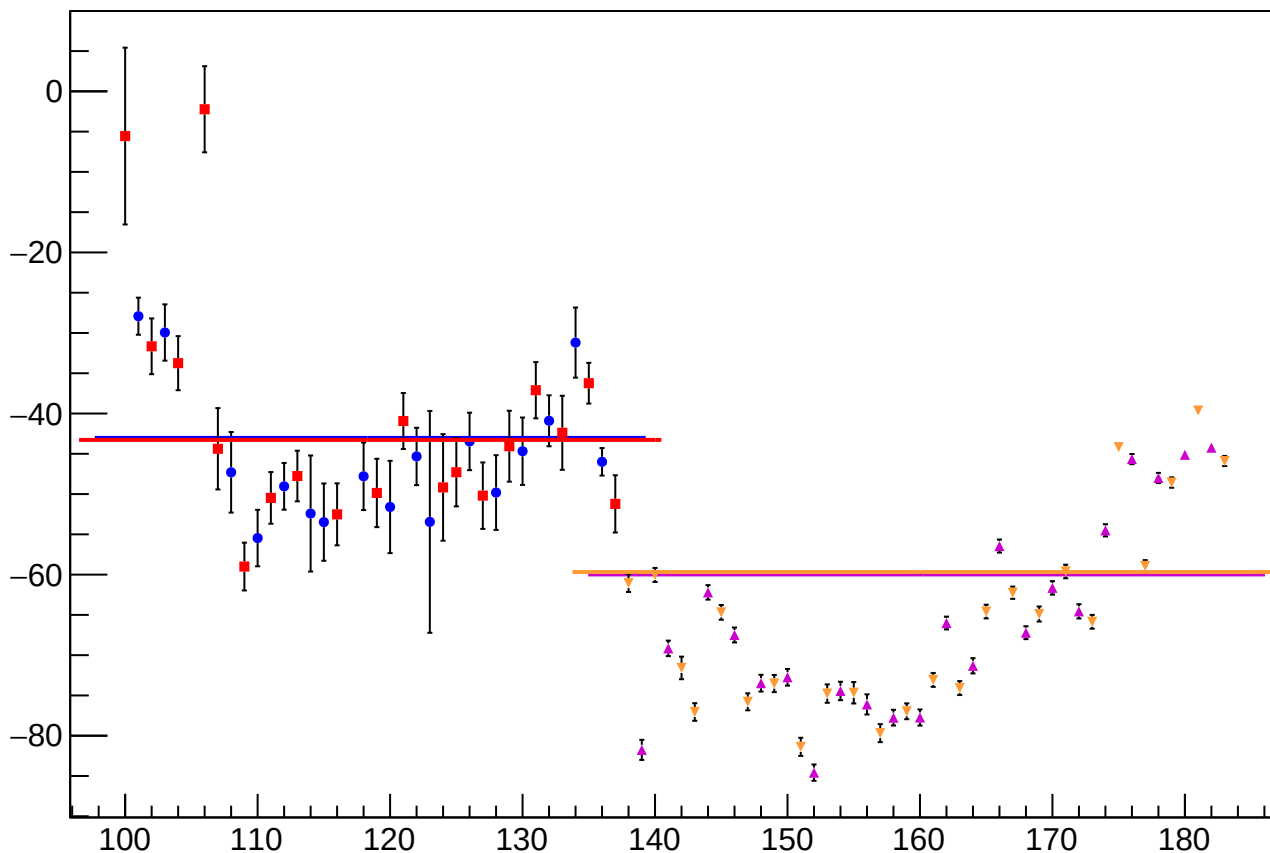
Right: -9.345 ± 0.338 χ^2/NDF : 847.5/35

In: 0.435 ± 0.135 χ^2/NDF : 2826.9/38

Out: 0.429 ± 0.132 χ^2/NDF : 2691.9/42

All: 0.432 ± 0.095 χ^2/NDF : 5518.8/81

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.028 $\pm$ 0.838 χ^2 /NDF: 98.9/16

Left Out: -59.679 $\pm$ 0.172 χ^2 /NDF: 5817.3/23

Right Out: -43.274 $\pm$ 0.868 χ^2 /NDF: 154.3/18

Left In: -59.977 $\pm$ 0.176 χ^2 /NDF: 5181.9/21

Left: -59.825 $\pm$ 0.123 χ^2 /NDF: 11000.7/45

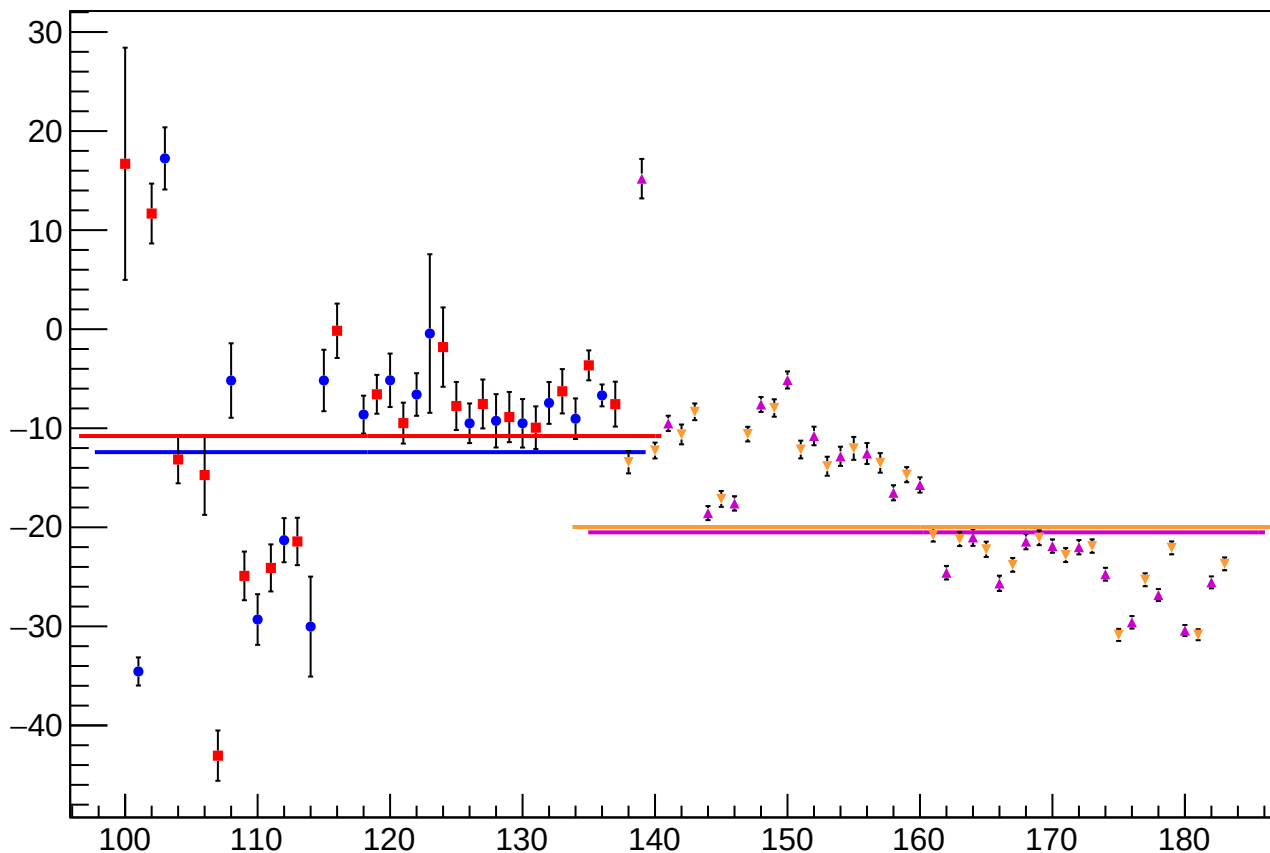
Right: -43.147 $\pm$ 0.603 χ^2 /NDF: 253.2/35

In: -59.263 $\pm$ 0.172 χ^2 /NDF: 5672.2/38

Out: -59.061 $\pm$ 0.169 χ^2 /NDF: 6315.1/42

All: -59.160 $\pm$ 0.120 χ^2 /NDF: 11988.1/81

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.412 ± 0.524 $\chi^2/\text{NDF}: 473.5/16$

Left Out: -19.969 ± 0.154 $\chi^2/\text{NDF}: 1898.8/23$

Right Out: -10.786 ± 0.555 $\chi^2/\text{NDF}: 365.9/18$

Left In: -20.509 ± 0.158 $\chi^2/\text{NDF}: 2284.3/21$

Left: -20.232 ± 0.111 $\chi^2/\text{NDF}: 4189.1/45$

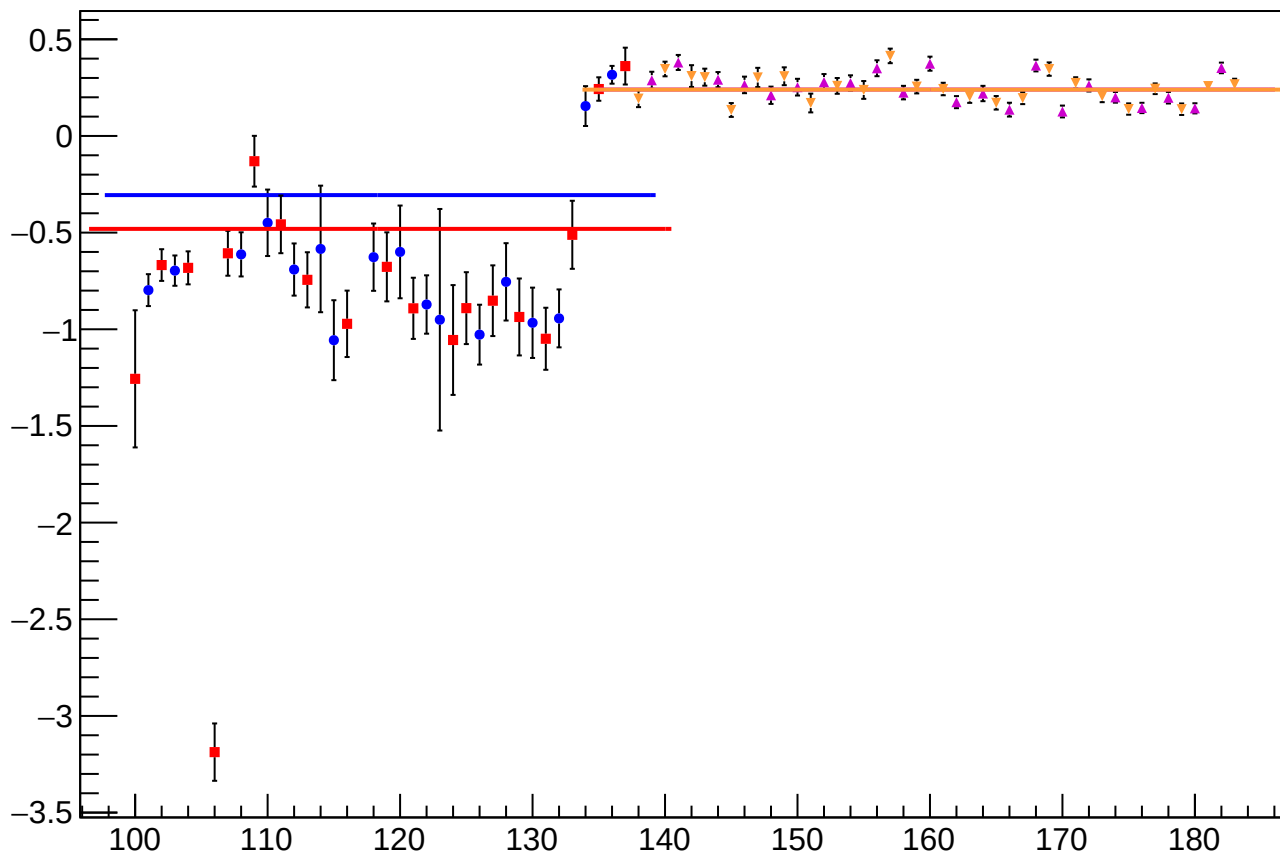
Right: -11.645 ± 0.381 $\chi^2/\text{NDF}: 844.0/35$

In: -19.830 ± 0.152 $\chi^2/\text{NDF}: 2976.8/38$

Out: -19.310 ± 0.149 $\chi^2/\text{NDF}: 2519.2/42$

All: -19.565 ± 0.106 $\chi^2/\text{NDF}: 5502.0/81$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 $\chi^2/\text{NDF}: 371.7/16$

Left Out: 0.240 ± 0.007 $\chi^2/\text{NDF}: 92.6/23$

Right Out: -0.481 ± 0.029 $\chi^2/\text{NDF}: 627.8/18$

Left In: 0.240 ± 0.007 $\chi^2/\text{NDF}: 130.3/21$

Left: 0.240 ± 0.005 $\chi^2/\text{NDF}: 222.8/45$

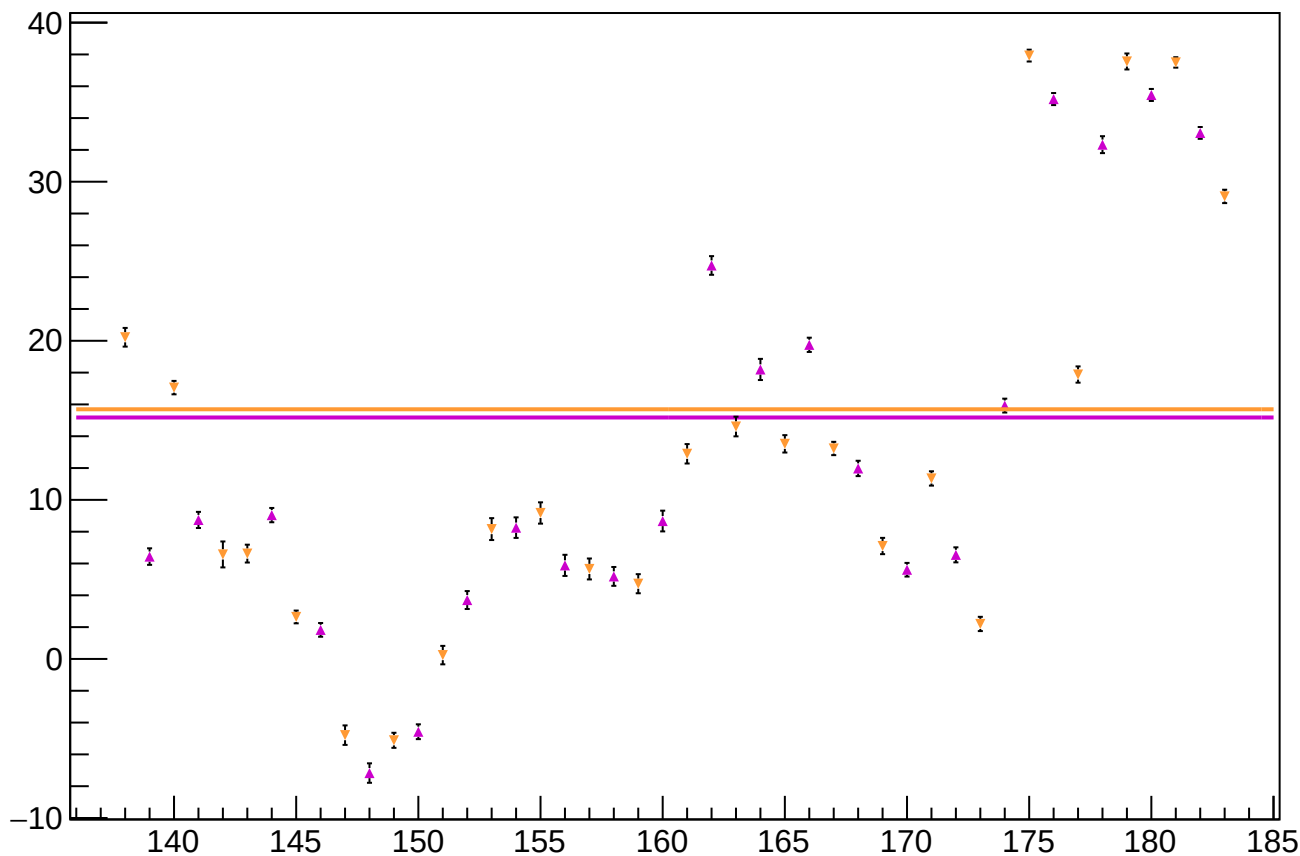
Right: -0.390 ± 0.020 $\chi^2/\text{NDF}: 1018.8/35$

In: 0.205 ± 0.007 $\chi^2/\text{NDF}: 868.2/38$

Out: 0.198 ± 0.007 $\chi^2/\text{NDF}: 1316.8/42$

All: 0.201 ± 0.005 $\chi^2/\text{NDF}: 2185.5/81$

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 15.694 $\pm$ 0.102 χ^2 /NDF:18310.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 15.178 $\pm$ 0.104 χ^2 /NDF:16112.4/21

Left: 15.442 $\pm$ 0.073 χ^2 /NDF: 34435.2/45

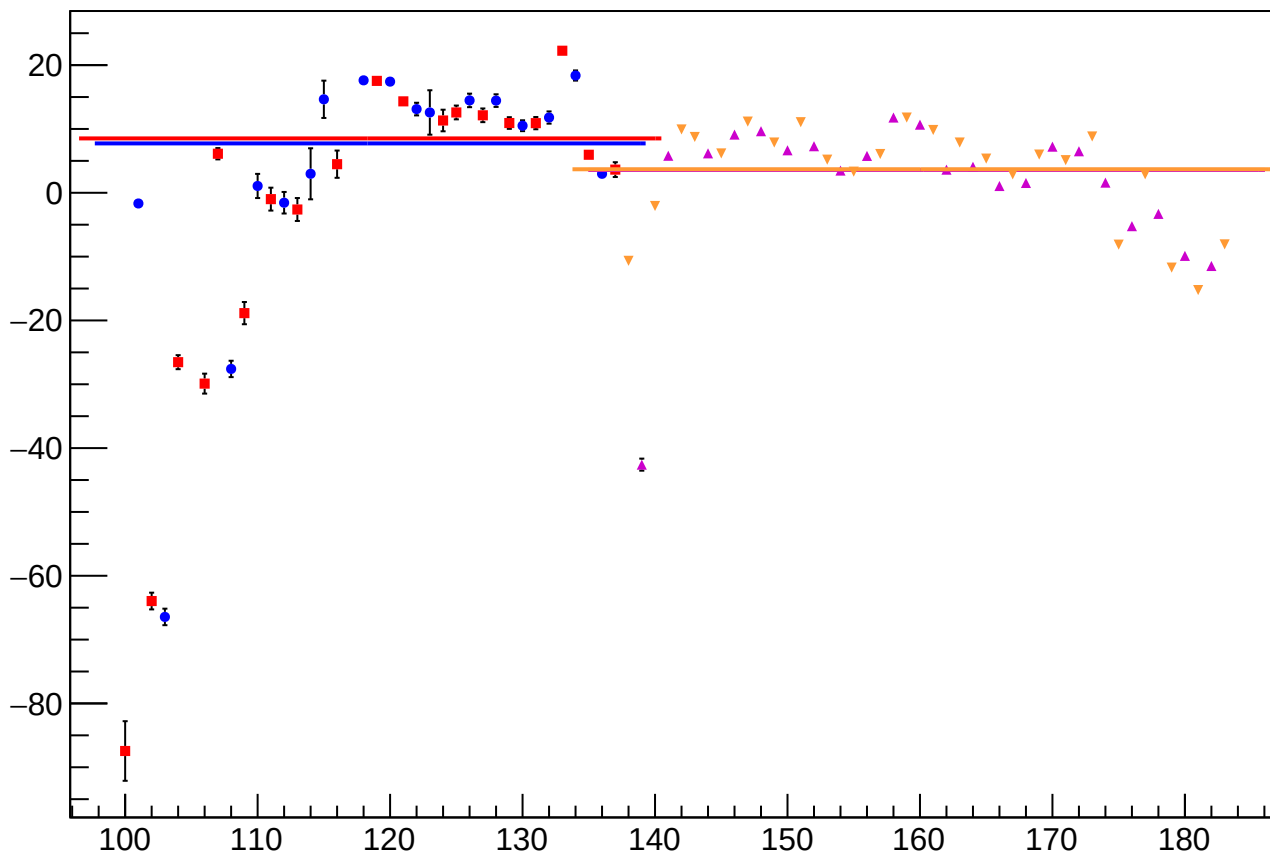
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 15.178 $\pm$ 0.104 χ^2 /NDF:16112.4/21

Out: 15.694 $\pm$ 0.102 χ^2 /NDF:18310.2/23

All: 15.442 $\pm$ 0.073 χ^2 /NDF: 34435.2/45

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 $\pm$ 0.218 χ^2 /NDF: 5301.4/16

Left Out: 3.684 $\pm$ 0.079 χ^2 /NDF: 9210.1/23

Right Out: 8.518 $\pm$ 0.214 χ^2 /NDF: 6720.6/18

Left In: 3.579 $\pm$ 0.082 χ^2 /NDF: 8068.9/21

Left: 3.633 $\pm$ 0.057 χ^2 /NDF: 17279.8/45

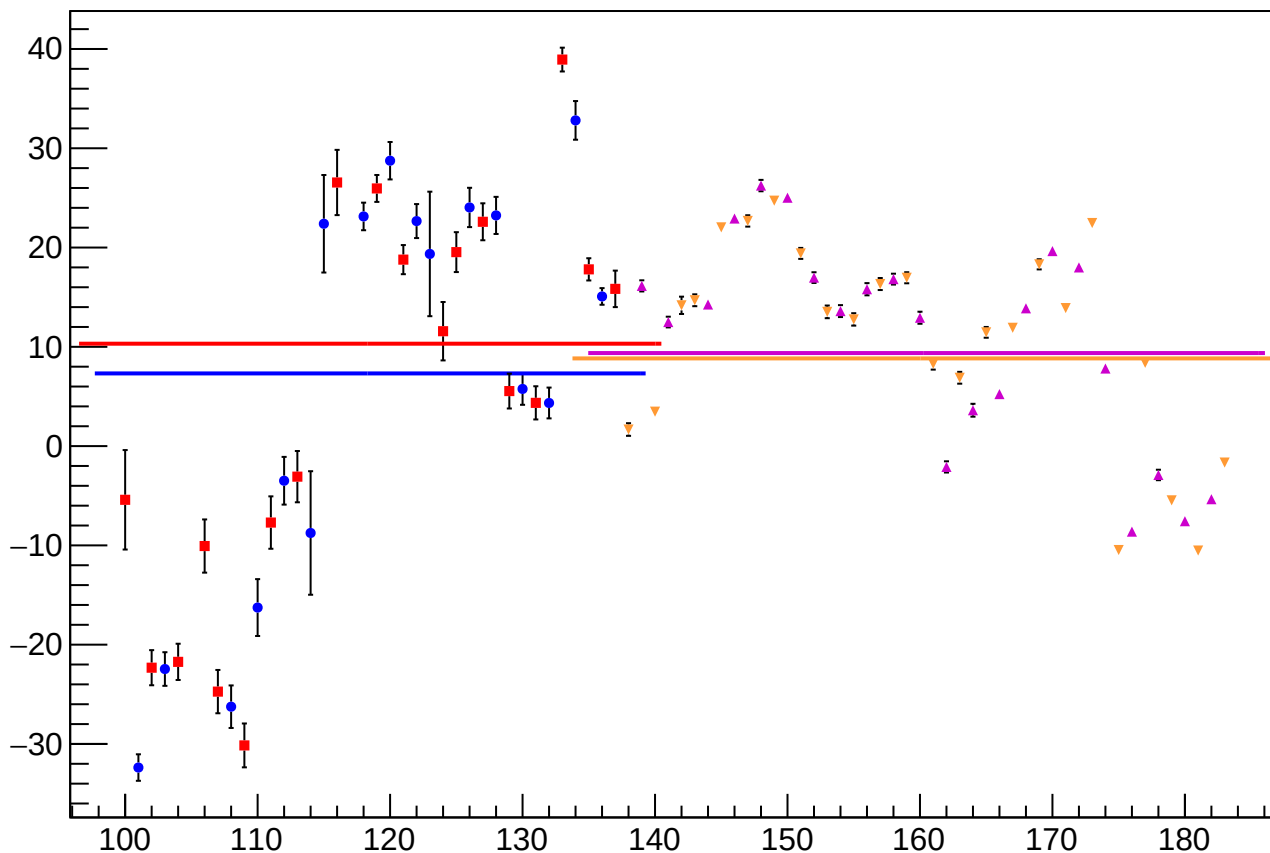
Right: 8.135 $\pm$ 0.153 χ^2 /NDF: 12028.5/35

In: 4.091 $\pm$ 0.077 χ^2 /NDF: 13688.2/38

Out: 4.271 $\pm$ 0.074 χ^2 /NDF: 16380.9/42

All: 4.184 $\pm$ 0.053 χ^2 /NDF: 30072.0/81

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.321 ± 0.419 χ^2/NDF : 2291.7/16

Left Out: 8.833 ± 0.102 χ^2/NDF : 12790.5/23

Right Out: 10.315 ± 0.418 χ^2/NDF : 2282.9/18

Left In: 9.373 ± 0.104 χ^2/NDF : 11959.6/21

Left: 9.098 ± 0.073 χ^2/NDF : 24764.0/45

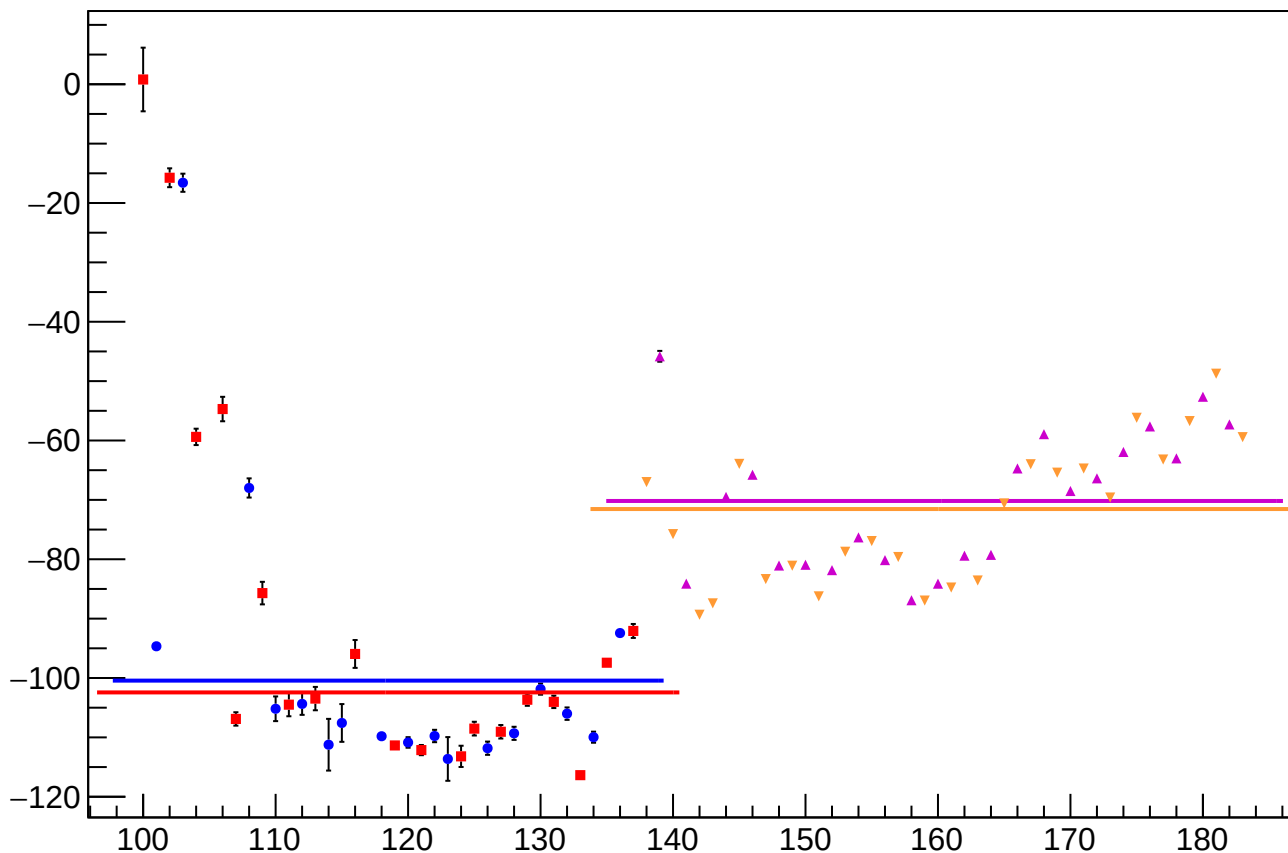
Right: 8.823 ± 0.296 χ^2/NDF : 4600.1/35

In: 9.255 ± 0.101 χ^2/NDF : 14273.9/38

Out: 8.916 ± 0.099 χ^2/NDF : 15085.3/42

All: 9.083 ± 0.071 χ^2/NDF : 29364.9/81

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.441 ± 0.251 χ^2/NDF : 4458.9/16

Left Out: -71.543 ± 0.090 χ^2/NDF : 16367.8/23

Right Out: -102.428 ± 0.247 χ^2/NDF : 6094.9/18

Left In: -70.183 ± 0.092 χ^2/NDF : 12952.9/21

Left: -70.881 ± 0.065 χ^2/NDF : 29431.6/45

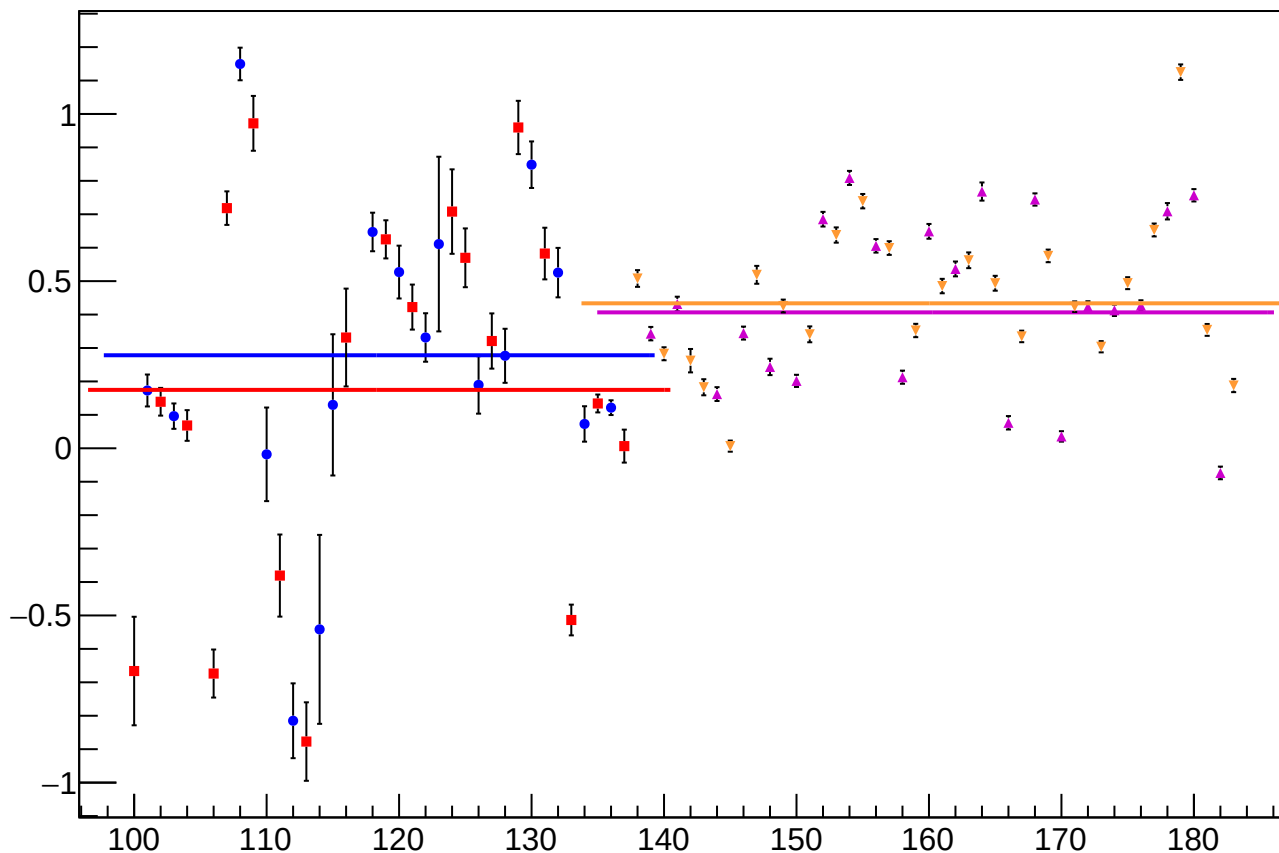
Right: -101.452 ± 0.176 χ^2/NDF : 10585.7/35

In: -73.799 ± 0.087 χ^2/NDF : 30202.8/38

Out: -75.178 ± 0.085 χ^2/NDF : 36294.2/42

All: -74.506 ± 0.061 χ^2/NDF : 66626.4/81

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.278 $\pm$ 0.014 χ^2 /NDF: 653.5/16

Left Out: 0.434 $\pm$ 0.004 χ^2 /NDF:2645.0/23

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 966.1/18

Left In: 0.407 $\pm$ 0.004 χ^2 /NDF:3707.8/21

Left: 0.420 $\pm$ 0.003 χ^2 /NDF: 6373.9/45

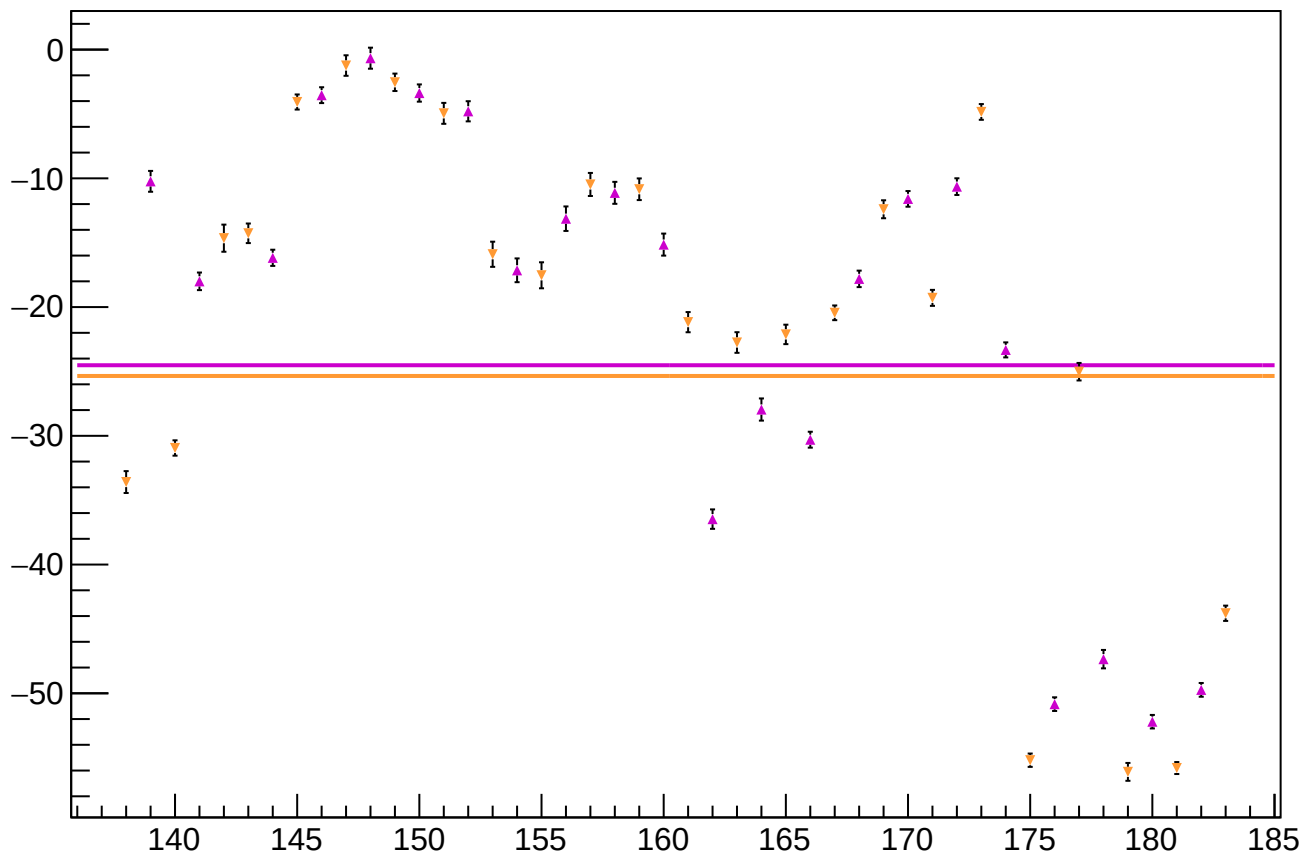
Right: 0.226 $\pm$ 0.010 χ^2 /NDF: 1649.0/35

In: 0.395 $\pm$ 0.004 χ^2 /NDF:4443.3/38

Out: 0.411 $\pm$ 0.004 χ^2 /NDF:3947.6/42

All: 0.403 $\pm$ 0.003 χ^2 /NDF: 8399.0/81

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -25.351+/-0.141 χ^2/NDF :17453.8/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -24.517+/-0.144 χ^2/NDF :14658.2/21

Left: -24.944+/-0.101 χ^2/NDF : 32129.1/45

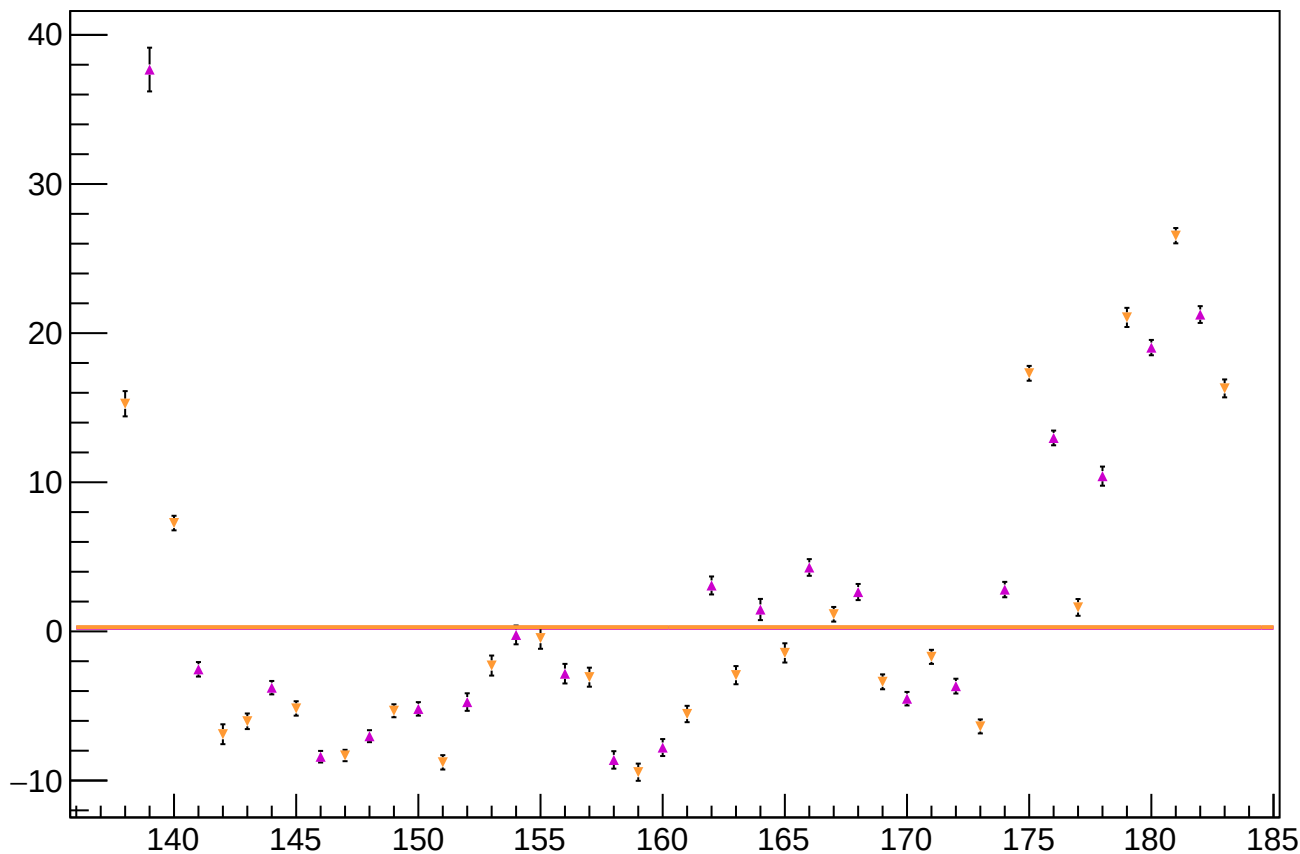
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.517+/-0.144 χ^2/NDF :14658.2/21

Out: -25.351+/-0.141 χ^2/NDF :17453.8/23

All: -24.944+/-0.101 χ^2/NDF : 32129.1/45

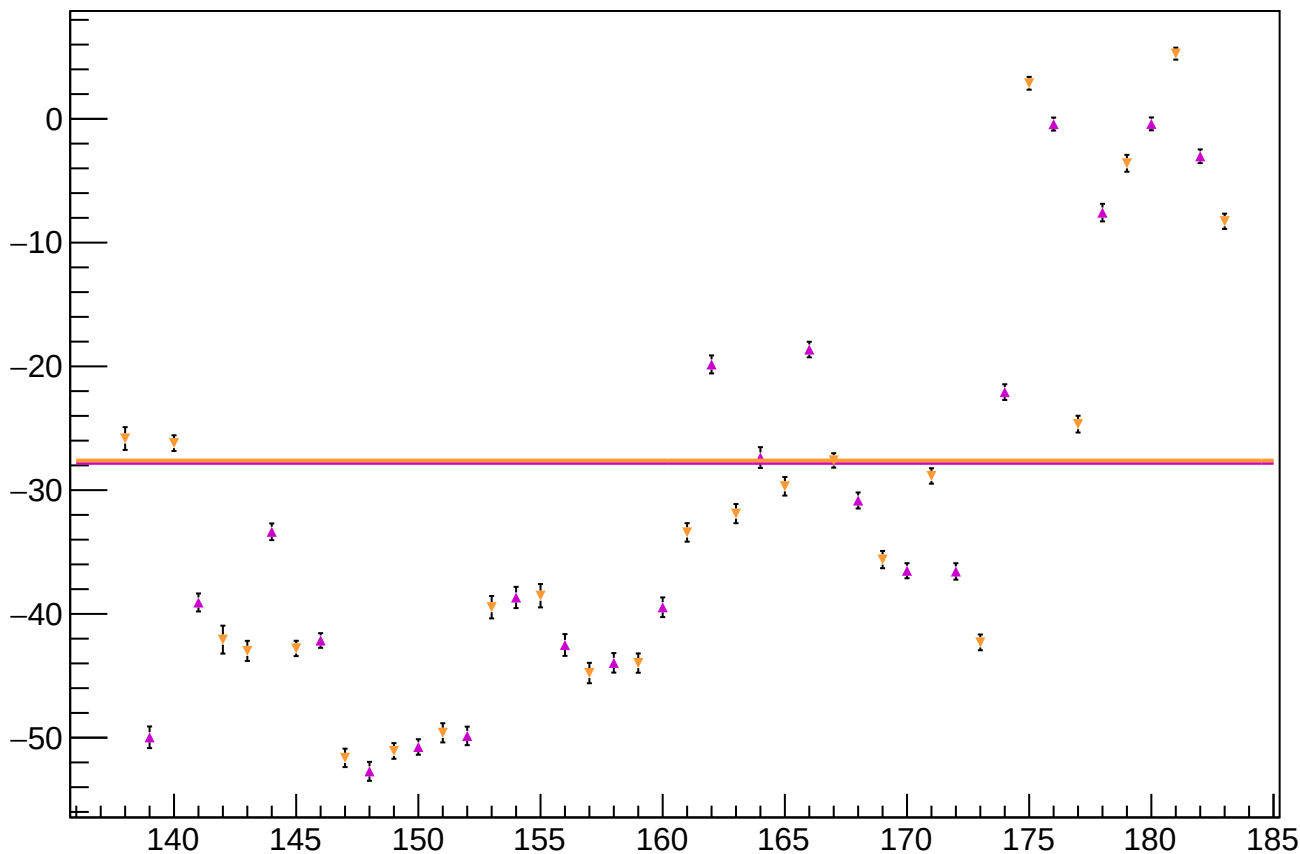
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.284+/-0.109 χ^2/NDF :8233.0/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.242+/-0.113 χ^2/NDF :6185.7/21

Left: 0.263+/-0.079 χ^2/NDF : 14418.8/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.242+/-0.113 χ^2/NDF :6185.7/21
 Out: 0.284+/-0.109 χ^2/NDF :8233.0/23
 All: 0.263+/-0.079 χ^2/NDF : 14418.8/45

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -27.613+/-0.141 χ^2/NDF :16616.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -27.791+/-0.144 χ^2/NDF :14964.8/21

Left: -27.700+/-0.101 χ^2/NDF : 31581.9/45

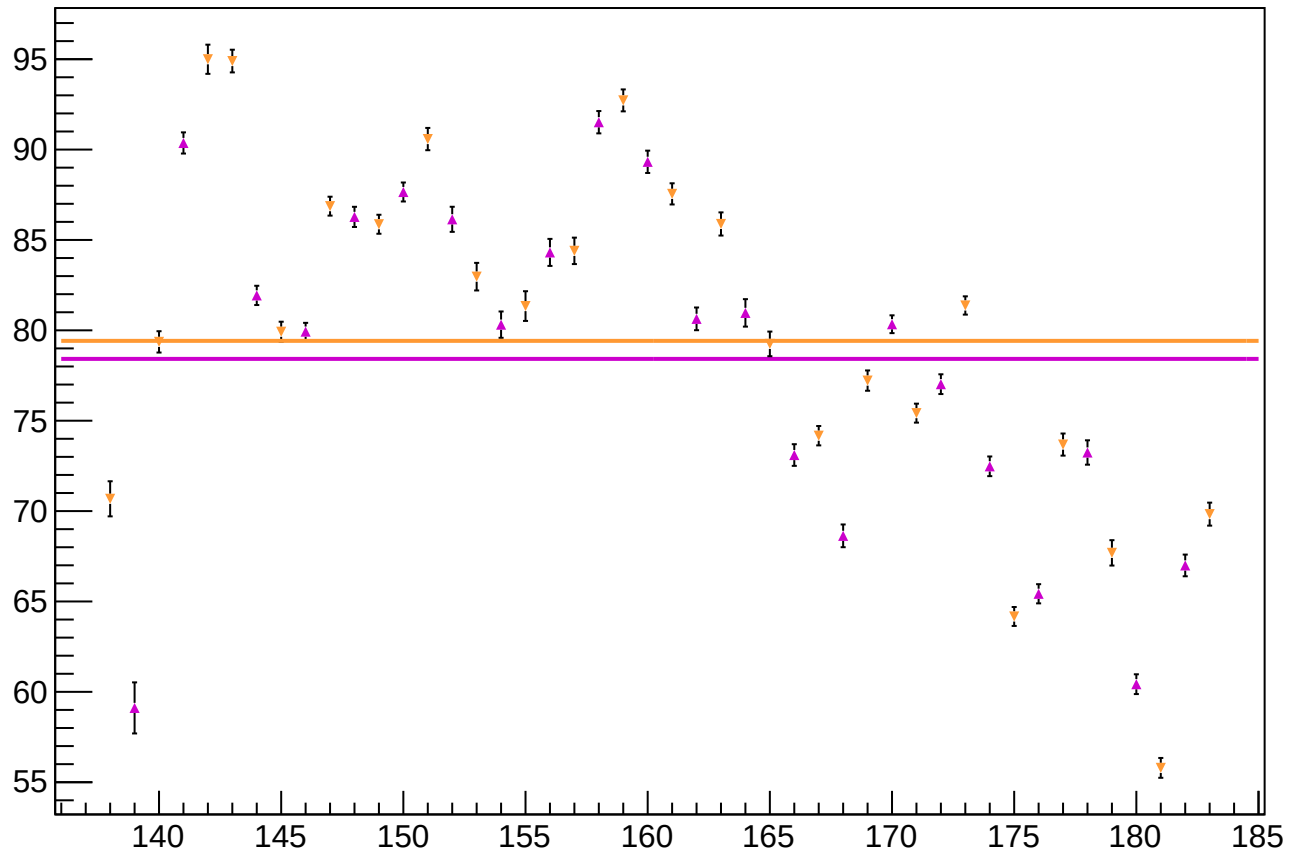
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -27.791+/-0.144 χ^2/NDF :14964.8/21

Out: -27.613+/-0.141 χ^2/NDF :16616.3/23

All: -27.700+/-0.101 χ^2/NDF : 31581.9/45

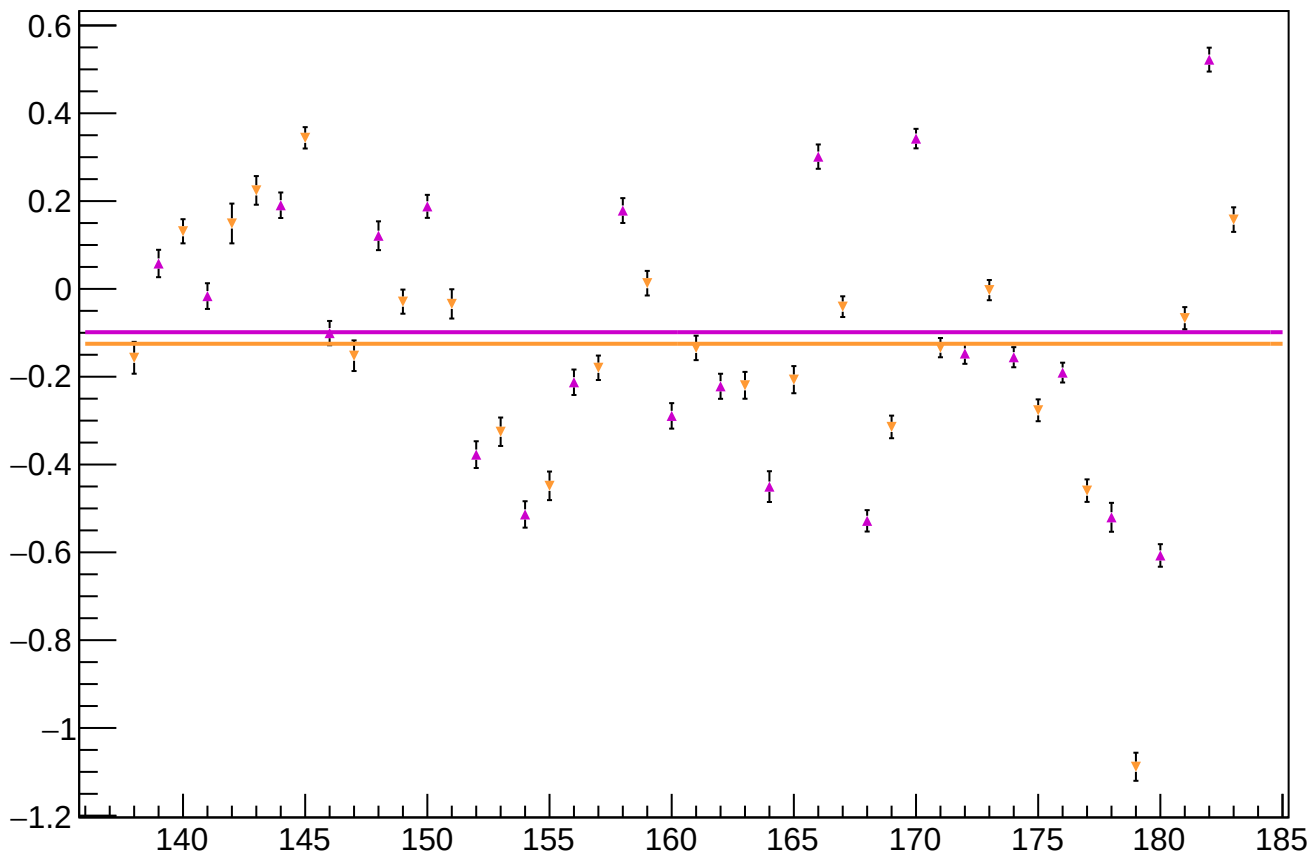
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 79.418 $\pm$ 0.124 χ^2 /NDF:6071.5/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 78.420 $\pm$ 0.128 χ^2 /NDF:4705.0/21

Left: 78.933 $\pm$ 0.089 χ^2 /NDF: 10807.9/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 78.420 $\pm$ 0.128 χ^2 /NDF:4705.0/21
 Out: 79.418 $\pm$ 0.124 χ^2 /NDF:6071.5/23
 All: 78.933 $\pm$ 0.089 χ^2 /NDF: 10807.9/45

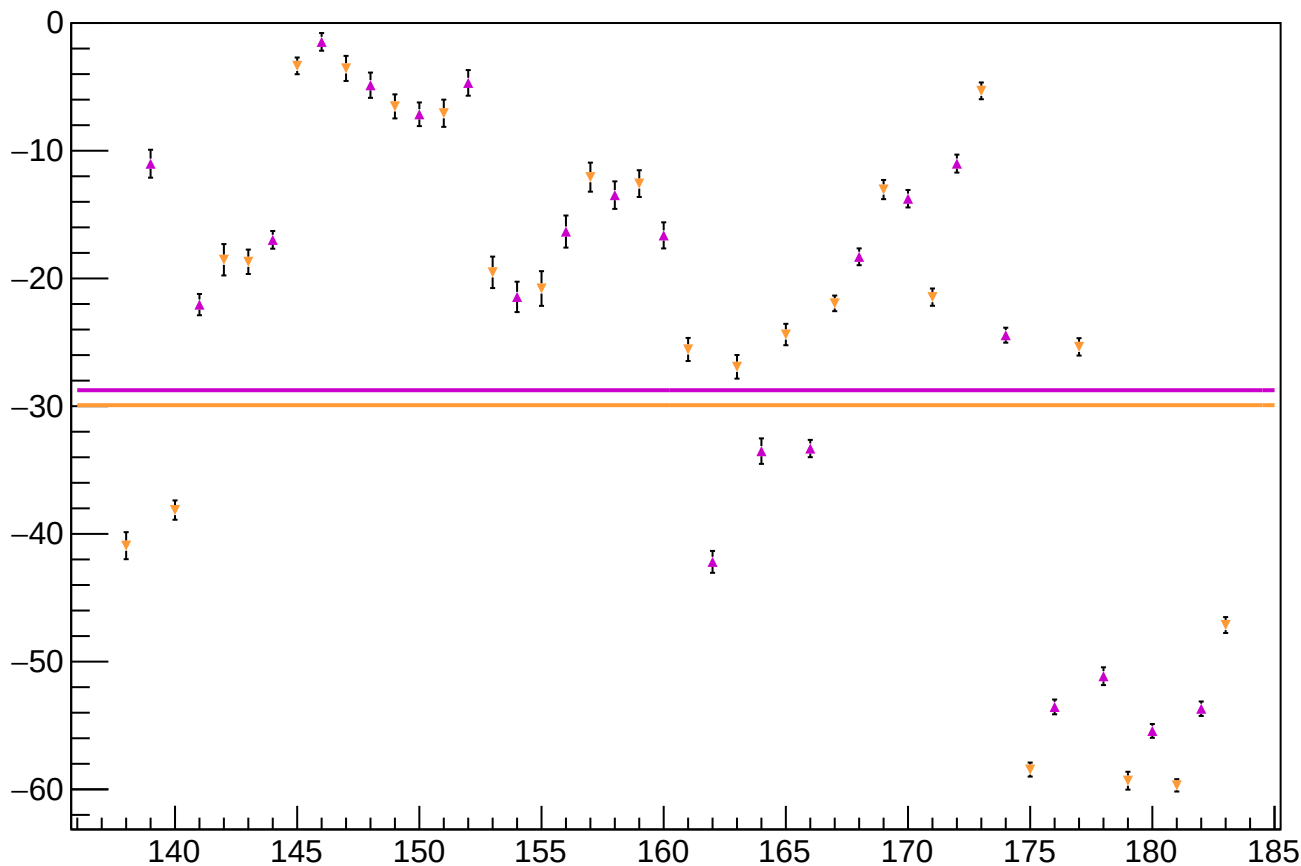
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.125+/-0.006 χ^2/NDF : 2129.8/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.099+/-0.006 χ^2/NDF : 2859.7/21

Left: -0.112+/-0.004 χ^2/NDF : 4999.8/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.099+/-0.006 χ^2/NDF : 2859.7/21
 Out: -0.125+/-0.006 χ^2/NDF : 2129.8/23
 All: -0.112+/-0.004 χ^2/NDF : 4999.8/45

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -29.921+/-0.159 χ^2/NDF :15904.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -28.751+/-0.162 χ^2/NDF :13310.8/21

Left: -29.347+/-0.113 χ^2/NDF : 29241.7/45

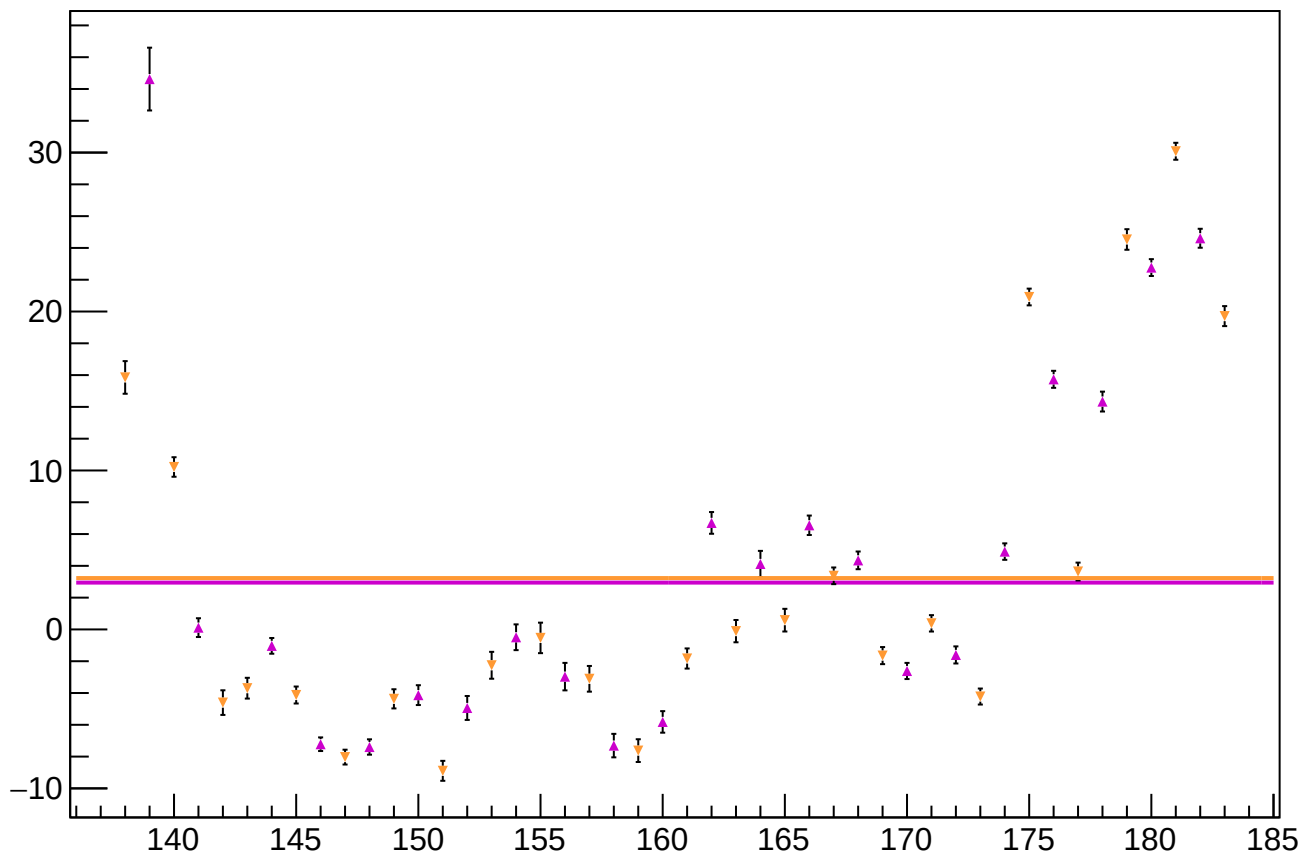
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -28.751+/-0.162 χ^2/NDF :13310.8/21

Out: -29.921+/-0.159 χ^2/NDF :15904.2/23

All: -29.347+/-0.113 χ^2/NDF : 29241.7/45

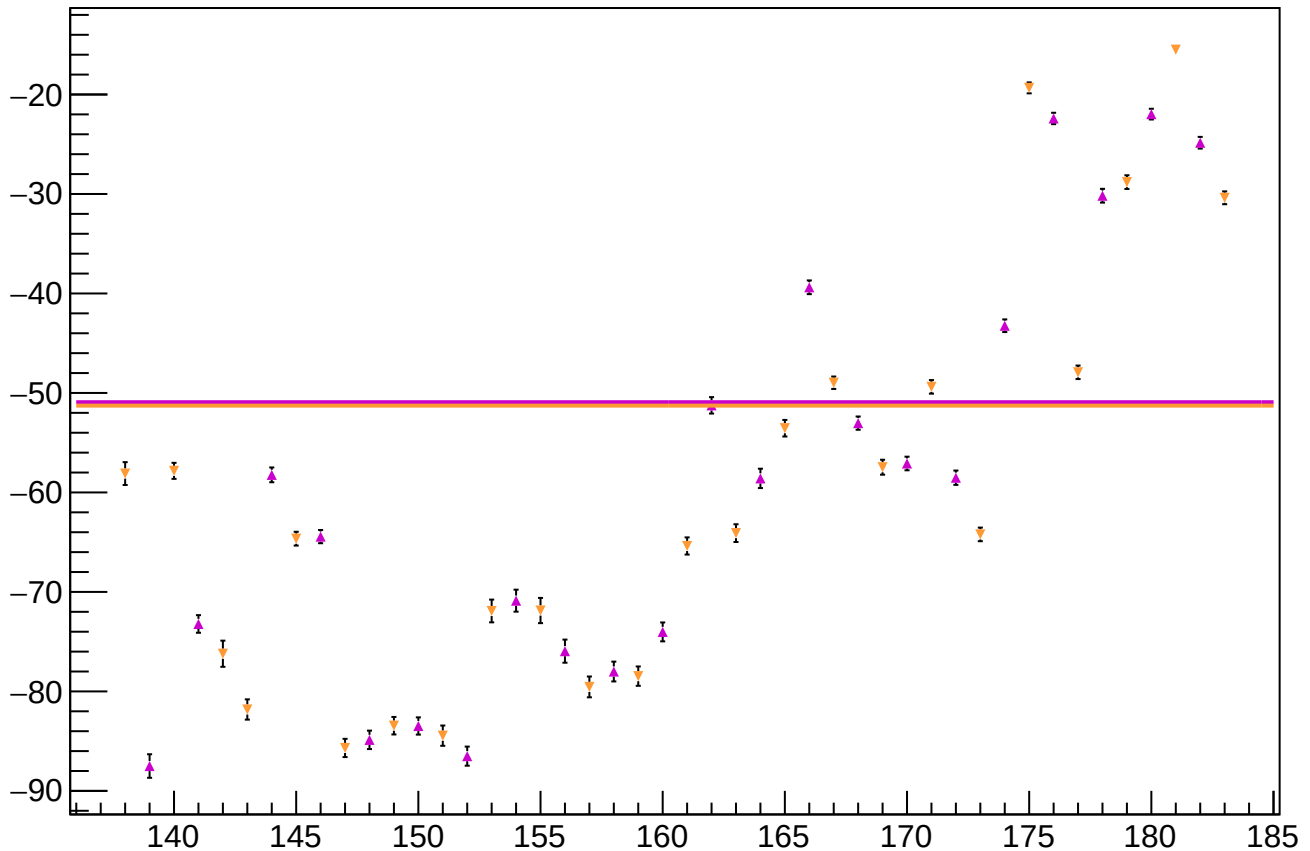
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.232+/-0.126 χ^2/NDF : 8010.9/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.946+/-0.128 χ^2/NDF : 5926.3/21

Left: 3.092+/-0.090 χ^2/NDF : 13939.8/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.946+/-0.128 χ^2/NDF : 5926.3/21
 Out: 3.232+/-0.126 χ^2/NDF : 8010.9/23
 All: 3.092+/-0.090 χ^2/NDF : 13939.8/45

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -51.273+/-0.160 χ^2/NDF :19129.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -50.931+/-0.162 χ^2/NDF :17258.4/21

Left: -51.105+/-0.114 χ^2/NDF : 36390.1/45

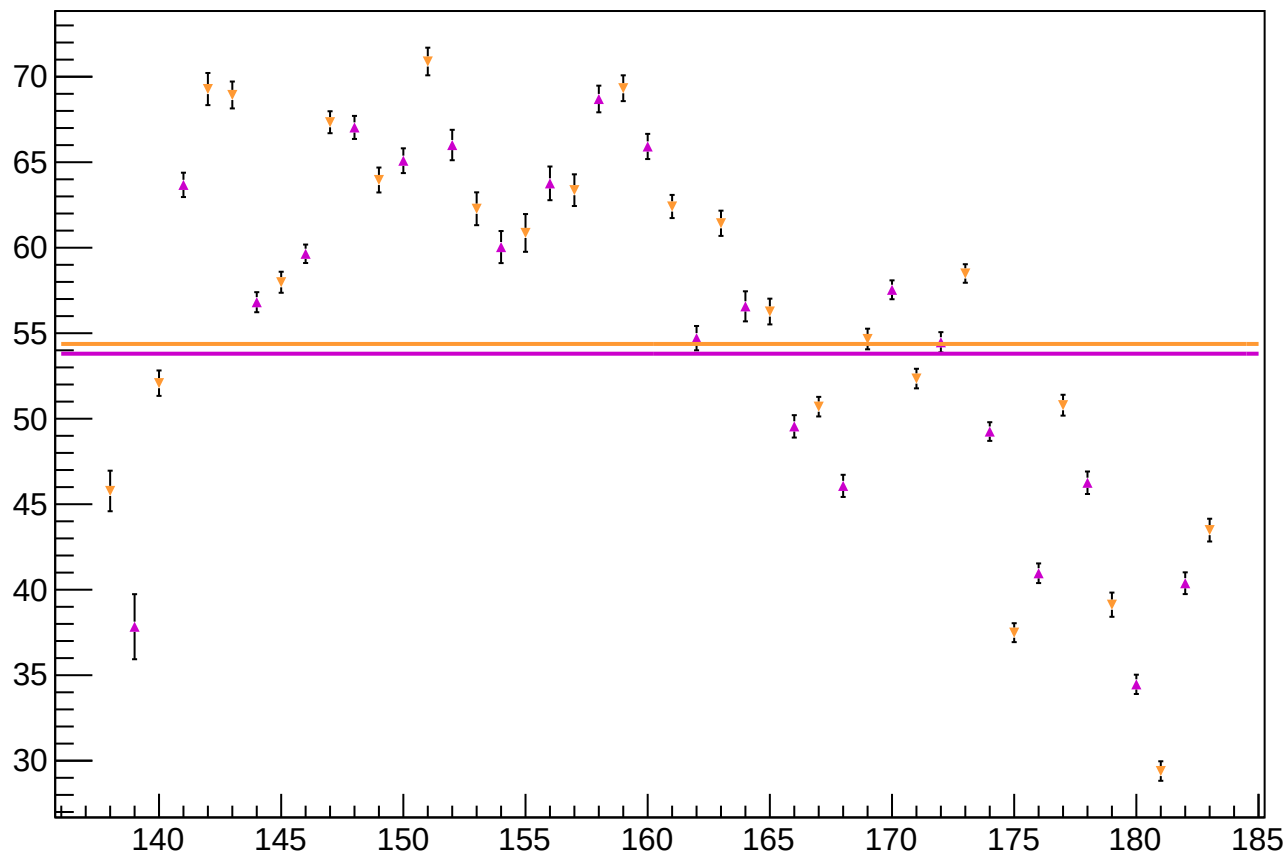
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -50.931+/-0.162 χ^2/NDF :17258.4/21

Out: -51.273+/-0.160 χ^2/NDF :19129.5/23

All: -51.105+/-0.114 χ^2/NDF : 36390.1/45

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 54.373 $\pm$ 0.142 χ^2 /NDF:6238.8/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 53.802 $\pm$ 0.144 χ^2 /NDF:4567.7/21

Left: 54.093 $\pm$ 0.101 χ^2 /NDF: 10814.5/45

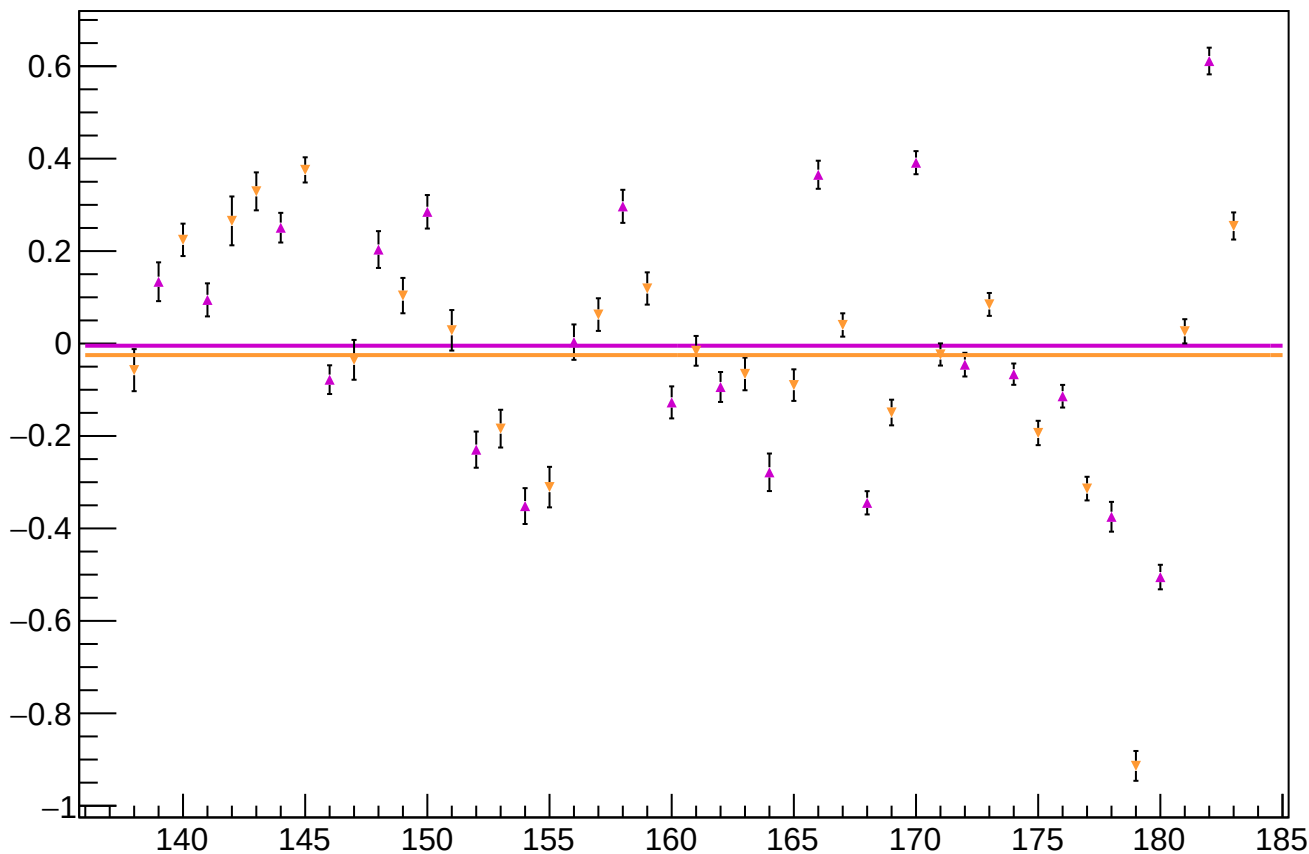
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 53.802 $\pm$ 0.144 χ^2 /NDF:4567.7/21

Out: 54.373 $\pm$ 0.142 χ^2 /NDF:6238.8/23

All: 54.093 $\pm$ 0.101 χ^2 /NDF: 10814.5/45

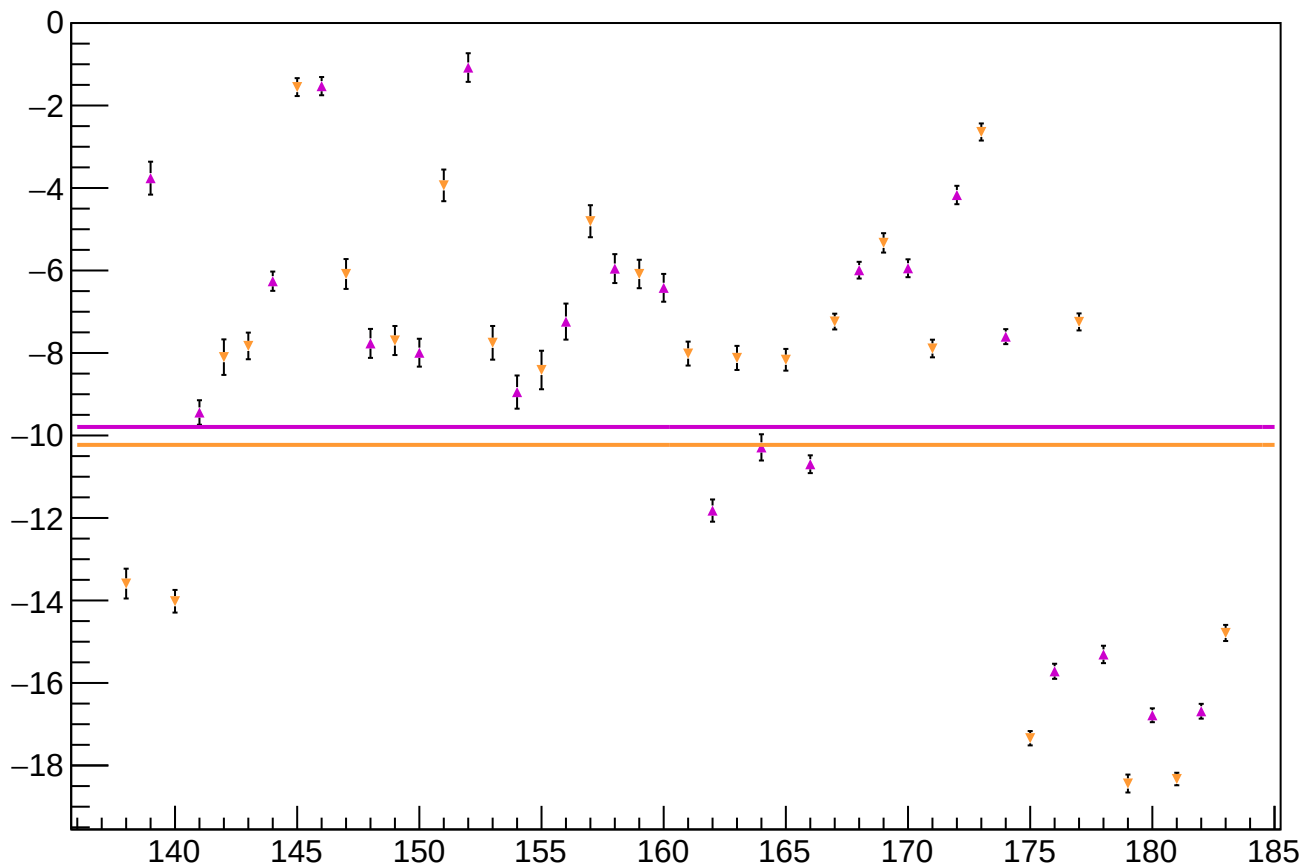
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.025 $\pm$ 0.007 χ^2 /NDF:1538.8/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.005 $\pm$ 0.007 χ^2 /NDF:1982.3/21

Left: -0.015 $\pm$ 0.005 χ^2 /NDF: 3525.8/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.005 $\pm$ 0.007 χ^2 /NDF:1982.3/21
 Out: -0.025 $\pm$ 0.007 χ^2 /NDF:1538.8/23
 All: -0.015 $\pm$ 0.005 χ^2 /NDF: 3525.8/45

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -10.228 $\pm$ 0.051 χ^2 /NDF:11801.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -9.793 $\pm$ 0.052 χ^2 /NDF:9263.6/21

Left: -10.014 $\pm$ 0.036 χ^2 /NDF: 21100.2/45

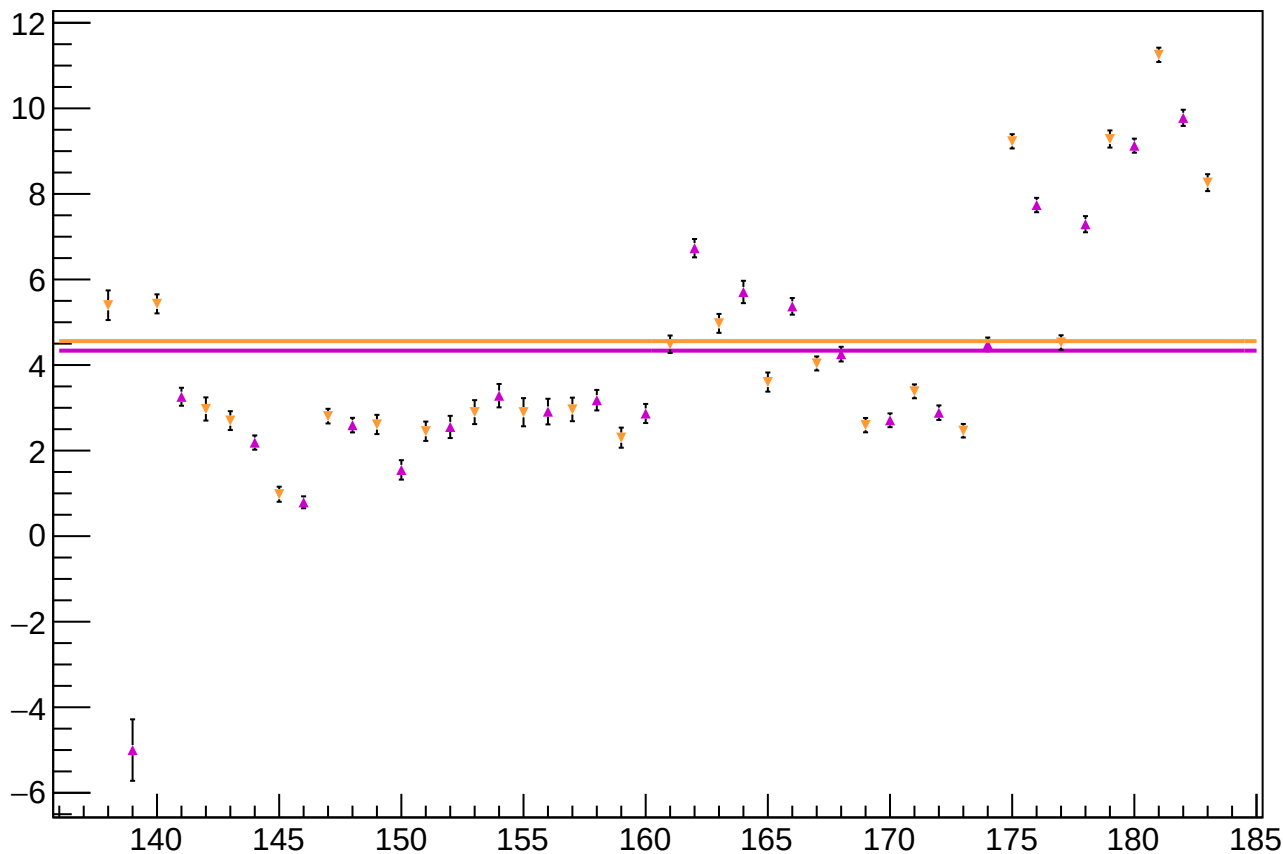
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -9.793 $\pm$ 0.052 χ^2 /NDF:9263.6/21

Out: -10.228 $\pm$ 0.051 χ^2 /NDF:11801.2/23

All: -10.014 $\pm$ 0.036 χ^2 /NDF: 21100.2/45

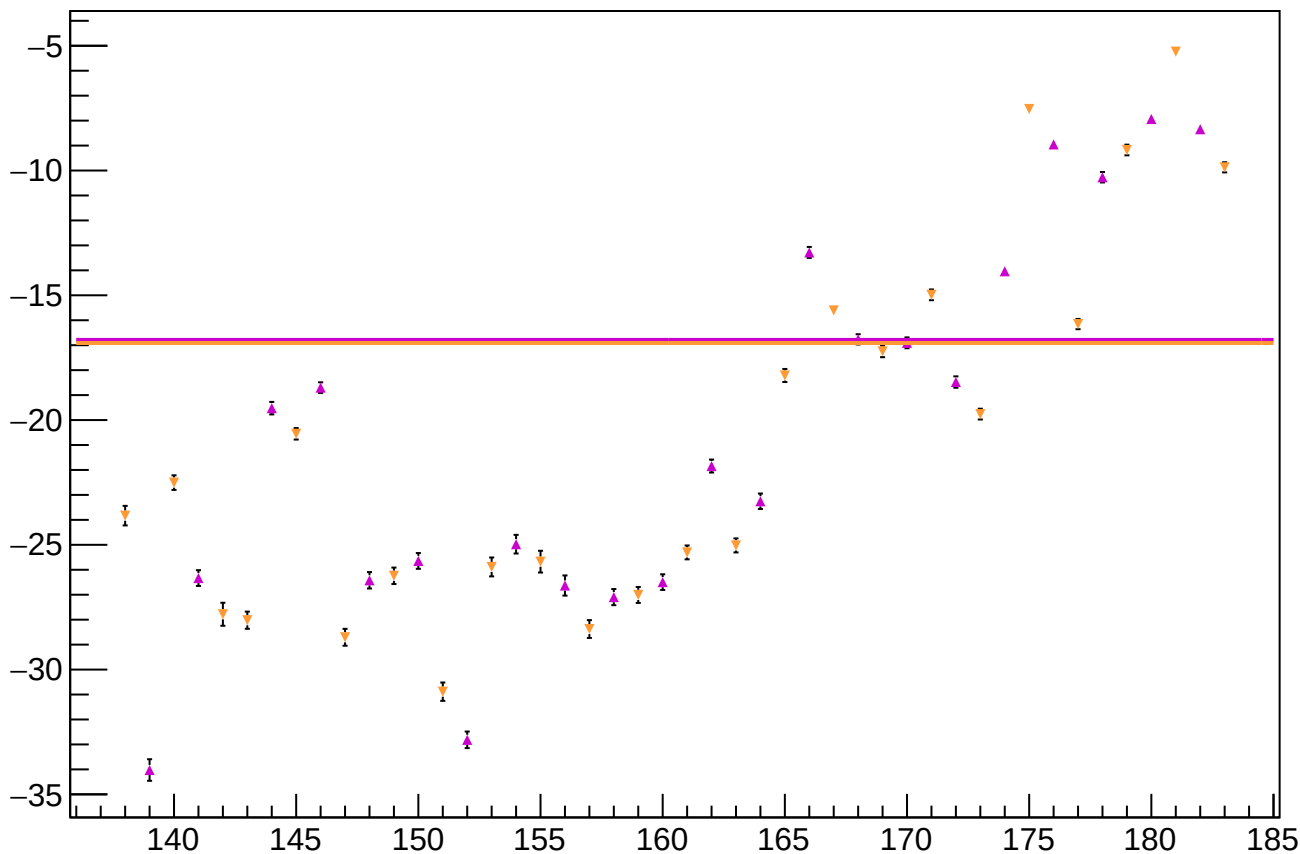
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.559 $\pm$ 0.041 χ^2 /NDF:4673.1/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.336 $\pm$ 0.042 χ^2 /NDF:4097.3/21

Left: 4.449 $\pm$ 0.029 χ^2 /NDF: 8784.9/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.336 $\pm$ 0.042 χ^2 /NDF:4097.3/21
 Out: 4.559 $\pm$ 0.041 χ^2 /NDF:4673.1/23
 All: 4.449 $\pm$ 0.029 χ^2 /NDF: 8784.9/45

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -16.913+/-0.052 χ^2/NDF :21930.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -16.788+/-0.052 χ^2/NDF :18722.6/21

Left: -16.851+/-0.037 χ^2/NDF : 40656.4/45

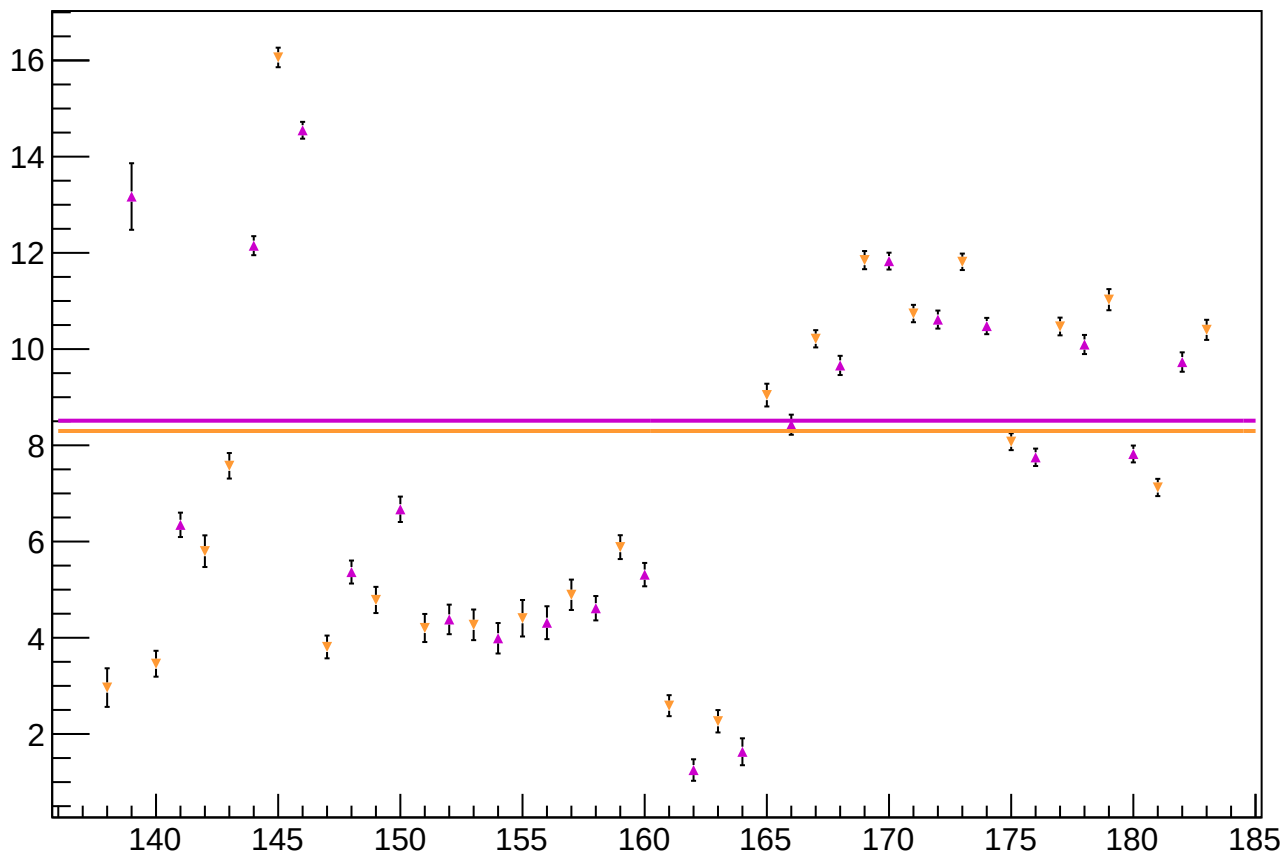
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -16.788+/-0.052 χ^2/NDF :18722.6/21

Out: -16.913+/-0.052 χ^2/NDF :21930.9/23

All: -16.851+/-0.037 χ^2/NDF : 40656.4/45

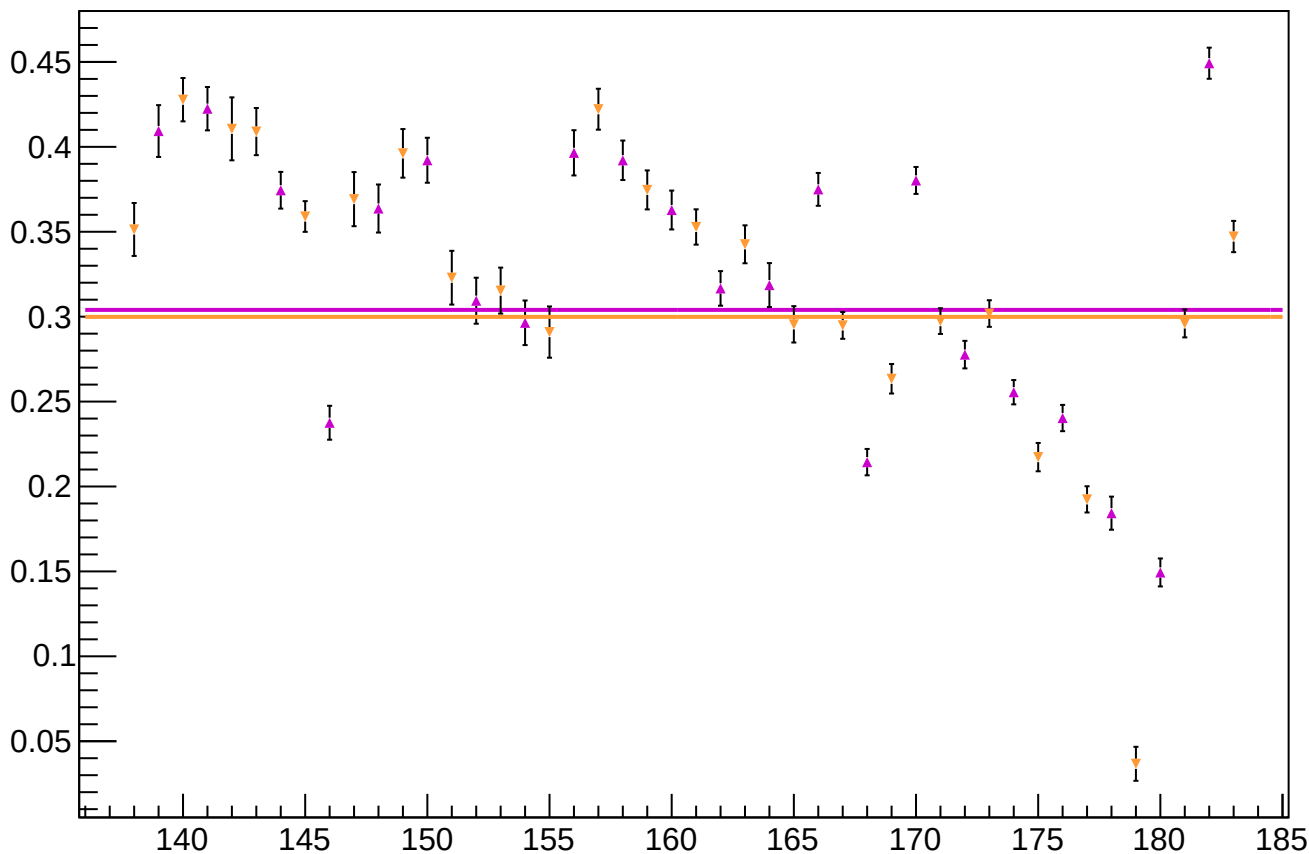
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.298+/-0.046 χ^2/NDF :6105.3/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.512+/-0.047 χ^2/NDF :5262.9/21

Left: 8.403+/-0.033 χ^2/NDF : 11378.9/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.512+/-0.047 χ^2/NDF :5262.9/21
 Out: 8.298+/-0.046 χ^2/NDF :6105.3/23
 All: 8.403+/-0.033 χ^2/NDF : 11378.9/45

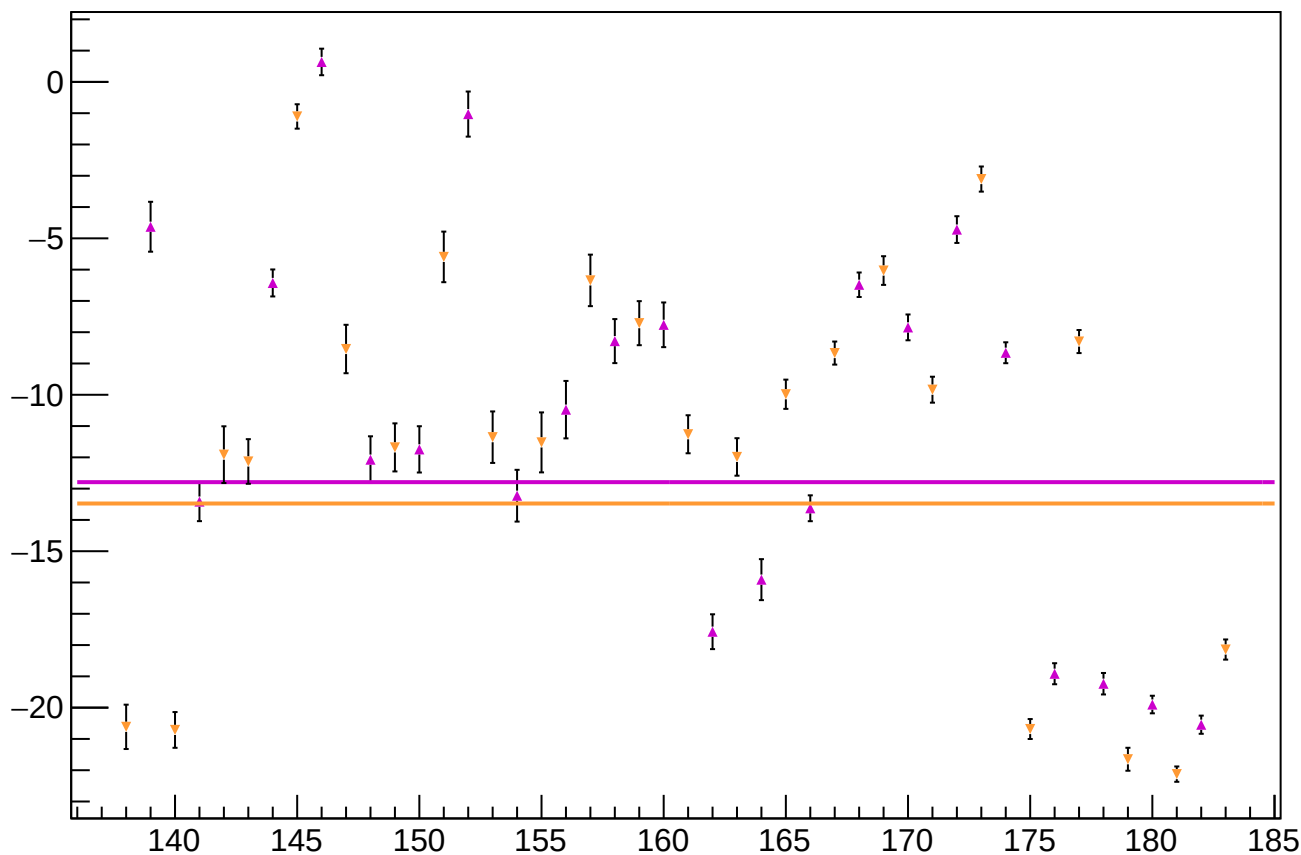
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.300+/-0.002 χ^2/NDF :1534.5/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.304+/-0.002 χ^2/NDF :1576.4/21

Left: 0.302+/-0.002 χ^2/NDF : 3112.8/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.304+/-0.002 χ^2/NDF :1576.4/21
 Out: 0.300+/-0.002 χ^2/NDF :1534.5/23
 All: 0.302+/-0.002 χ^2/NDF : 3112.8/45

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -13.475 $\pm$ 0.095 χ^2/NDF :5482.9/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -12.793 $\pm$ 0.097 χ^2/NDF :4744.4/21

Left: -13.140 $\pm$ 0.068 χ^2/NDF : 10252.8/45

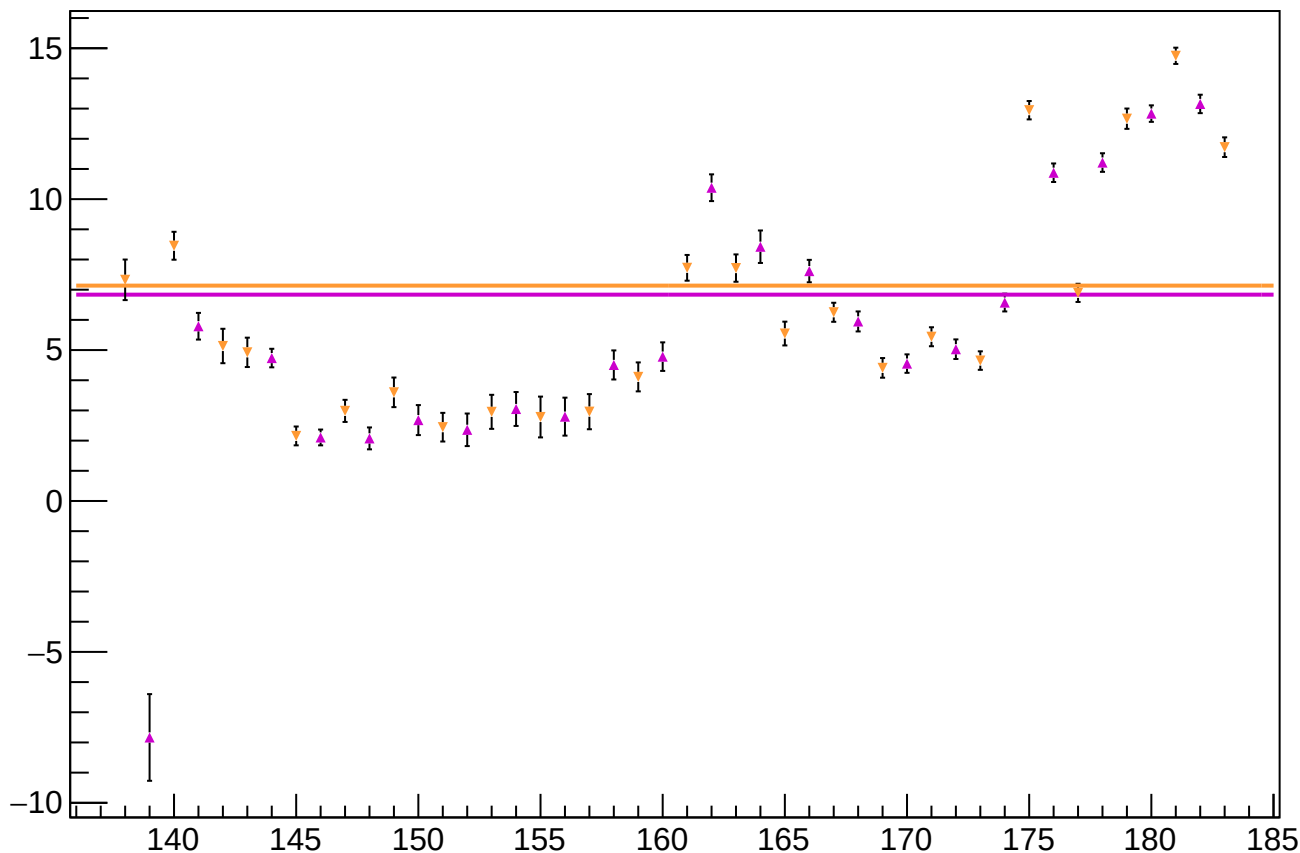
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -12.793 $\pm$ 0.097 χ^2/NDF :4744.4/21

Out: -13.475 $\pm$ 0.095 χ^2/NDF :5482.9/23

All: -13.140 $\pm$ 0.068 χ^2/NDF : 10252.8/45

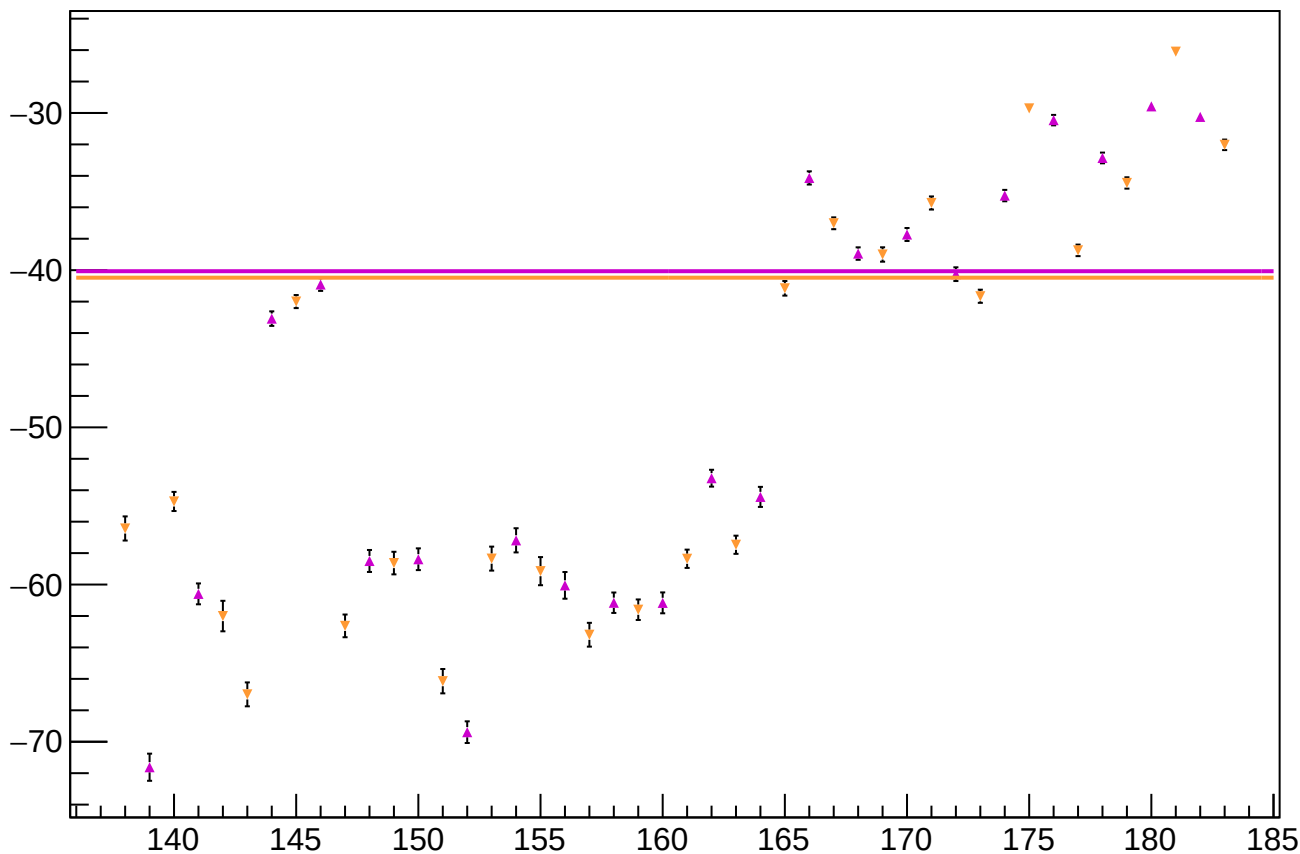
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.135 $\pm$ 0.078 χ^2 /NDF:2585.0/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 6.836 $\pm$ 0.079 χ^2 /NDF:2378.7/21

Left: 6.986 $\pm$ 0.055 χ^2 /NDF: 4971.0/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 6.836 $\pm$ 0.079 χ^2 /NDF:2378.7/21
 Out: 7.135 $\pm$ 0.078 χ^2 /NDF:2585.0/23
 All: 6.986 $\pm$ 0.055 χ^2 /NDF: 4971.0/45

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -40.478 $\pm$ 0.096 χ^2 /NDF:15607.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -40.066 $\pm$ 0.097 χ^2 /NDF:13926.7/21

Left: -40.274 $\pm$ 0.068 χ^2 /NDF: 29543.0/45

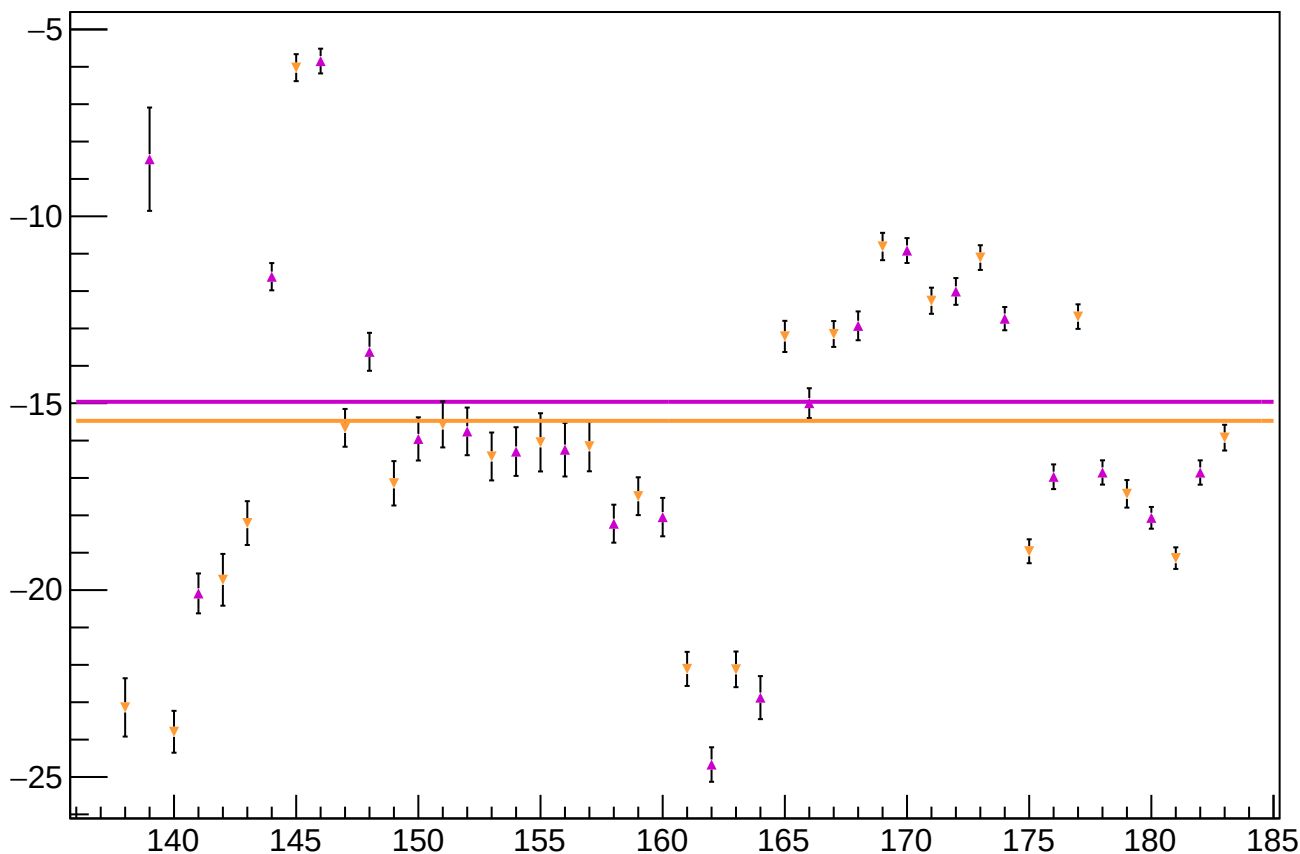
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -40.066 $\pm$ 0.097 χ^2 /NDF:13926.7/21

Out: -40.478 $\pm$ 0.096 χ^2 /NDF:15607.2/23

All: -40.274 $\pm$ 0.068 χ^2 /NDF: 29543.0/45

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -15.471+/-0.087 χ^2/NDF : 2375.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -14.962+/-0.088 χ^2/NDF : 2195.7/21

Left: -15.219+/-0.062 χ^2/NDF : 4587.8/45

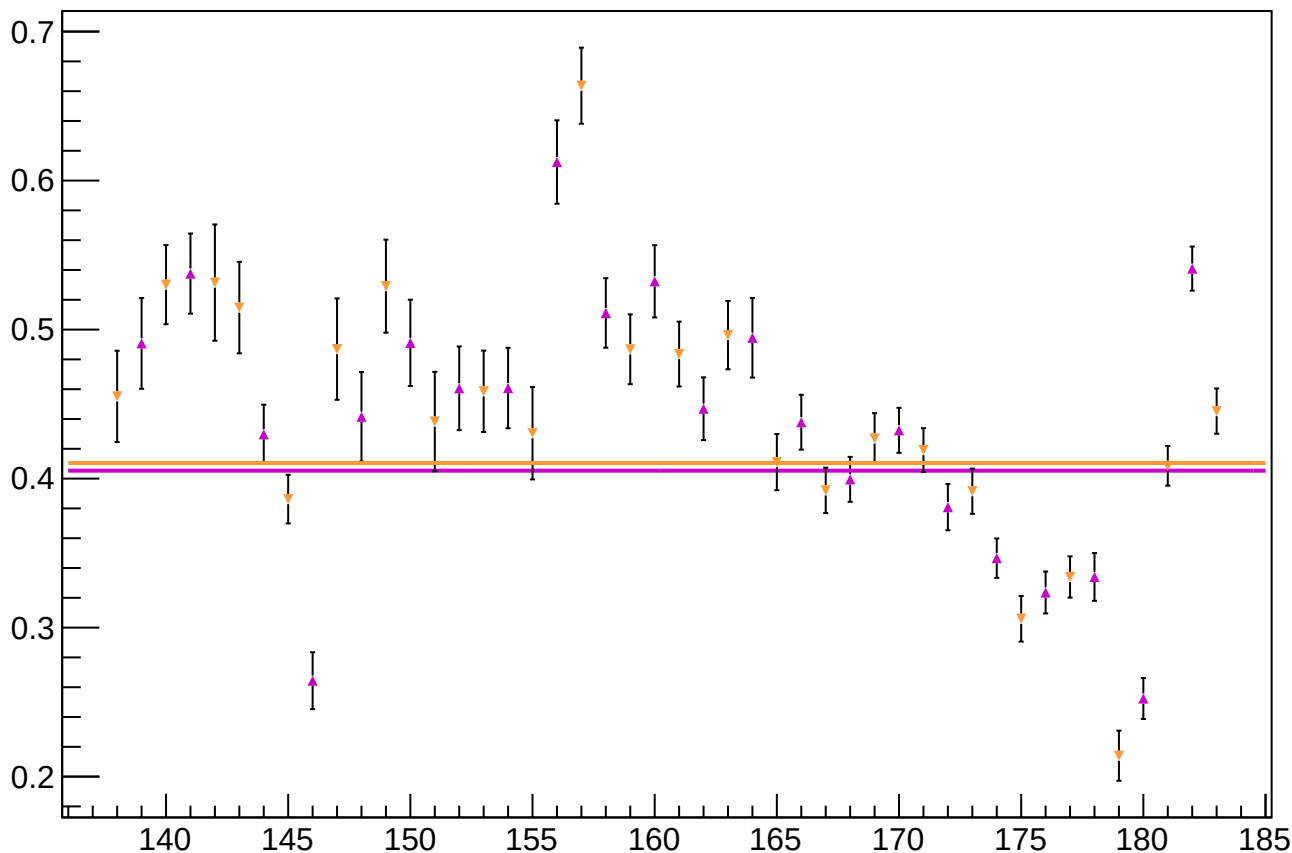
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.962+/-0.088 χ^2/NDF : 2195.7/21

Out: -15.471+/-0.087 χ^2/NDF : 2375.2/23

All: -15.219+/-0.062 χ^2/NDF : 4587.8/45

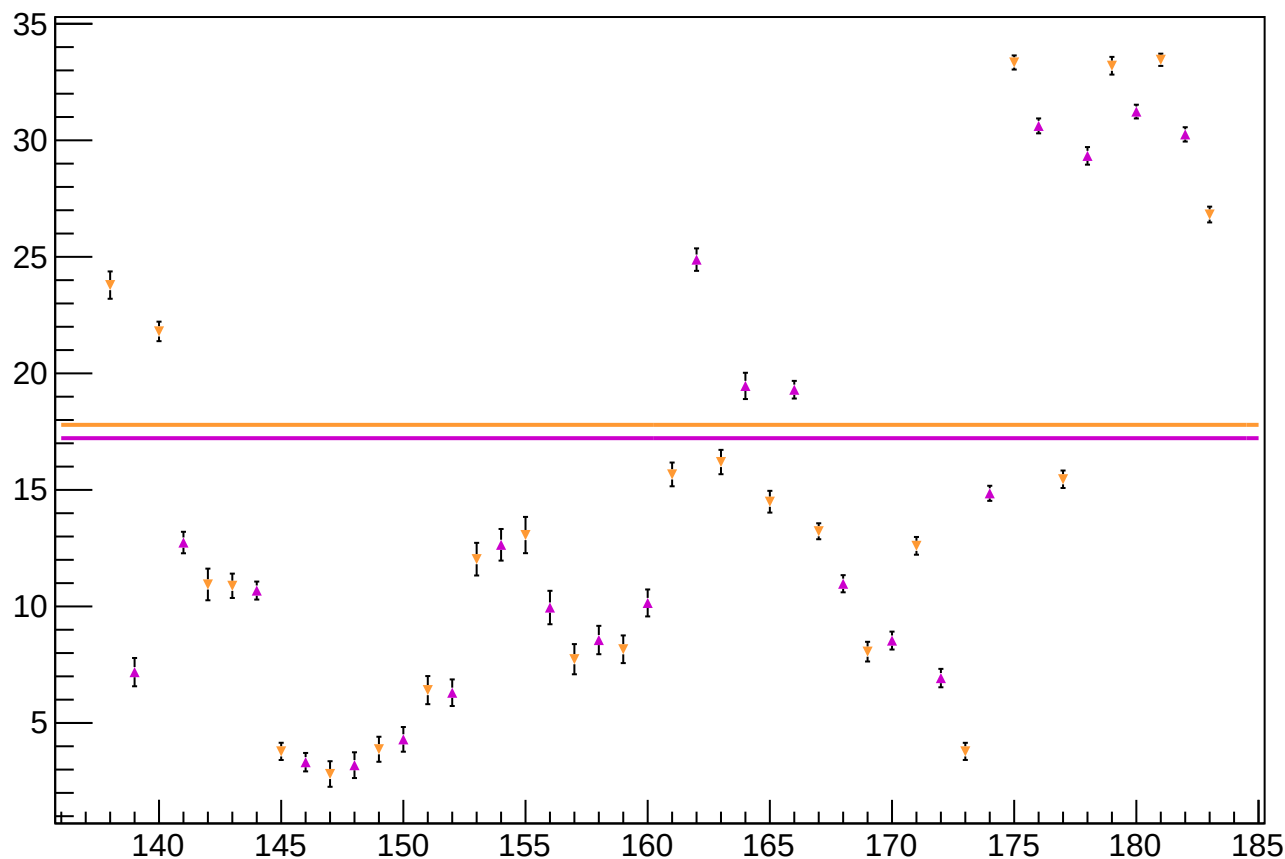
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.410 $\pm$ 0.004 χ^2 /NDF:426.9/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.405 $\pm$ 0.004 χ^2 /NDF:514.2/21

Left: 0.408 $\pm$ 0.003 χ^2 /NDF: 942.0/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.405 $\pm$ 0.004 χ^2 /NDF:514.2/21
 Out: 0.410 $\pm$ 0.004 χ^2 /NDF:426.9/23
 All: 0.408 $\pm$ 0.003 χ^2 /NDF: 942.0/45

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 17.792 $\pm$ 0.088 χ^2 /NDF:15293.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 17.220 $\pm$ 0.090 χ^2 /NDF:12650.2/21

Left: 17.512 $\pm$ 0.063 χ^2 /NDF: 27964.3/45

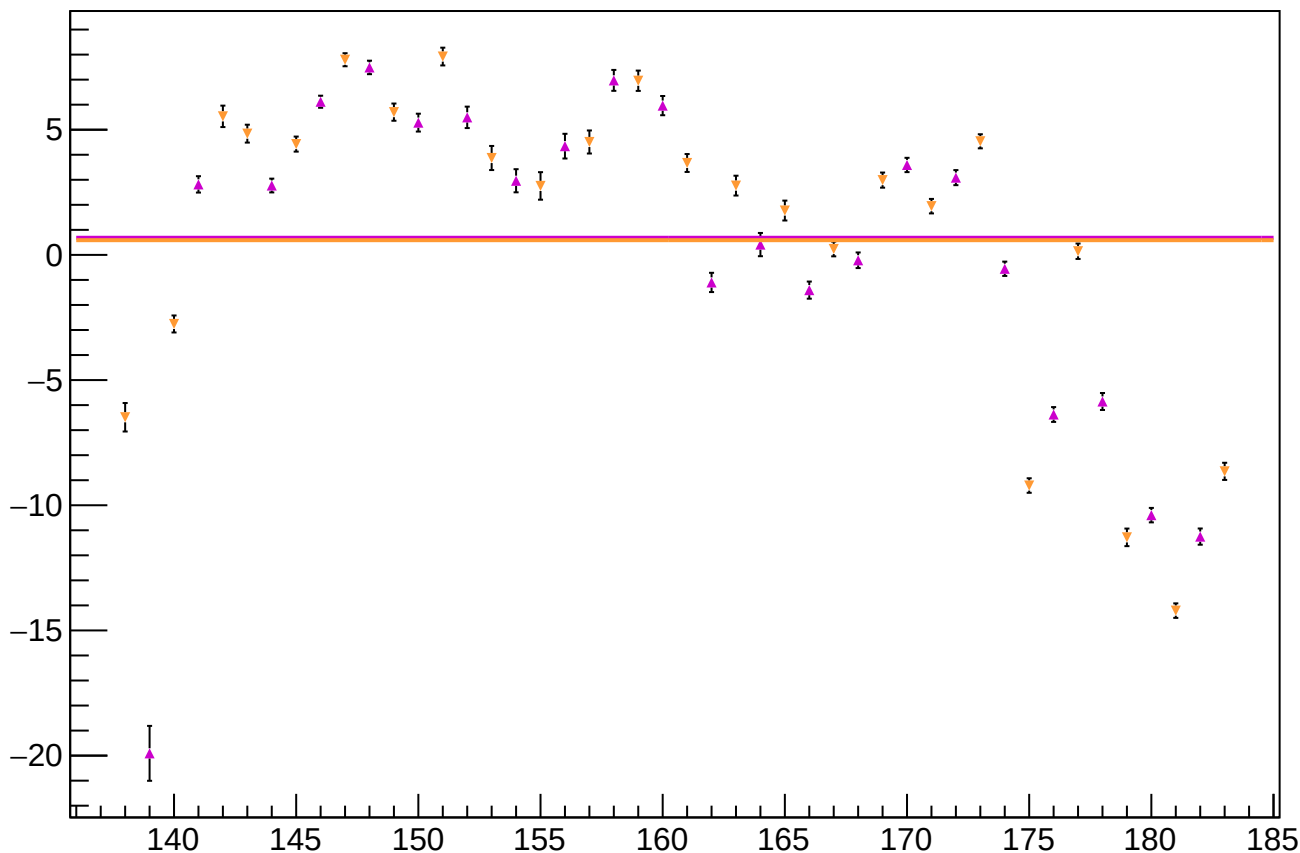
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 17.220 $\pm$ 0.090 χ^2 /NDF:12650.2/21

Out: 17.792 $\pm$ 0.088 χ^2 /NDF:15293.5/23

All: 17.512 $\pm$ 0.063 χ^2 /NDF: 27964.3/45

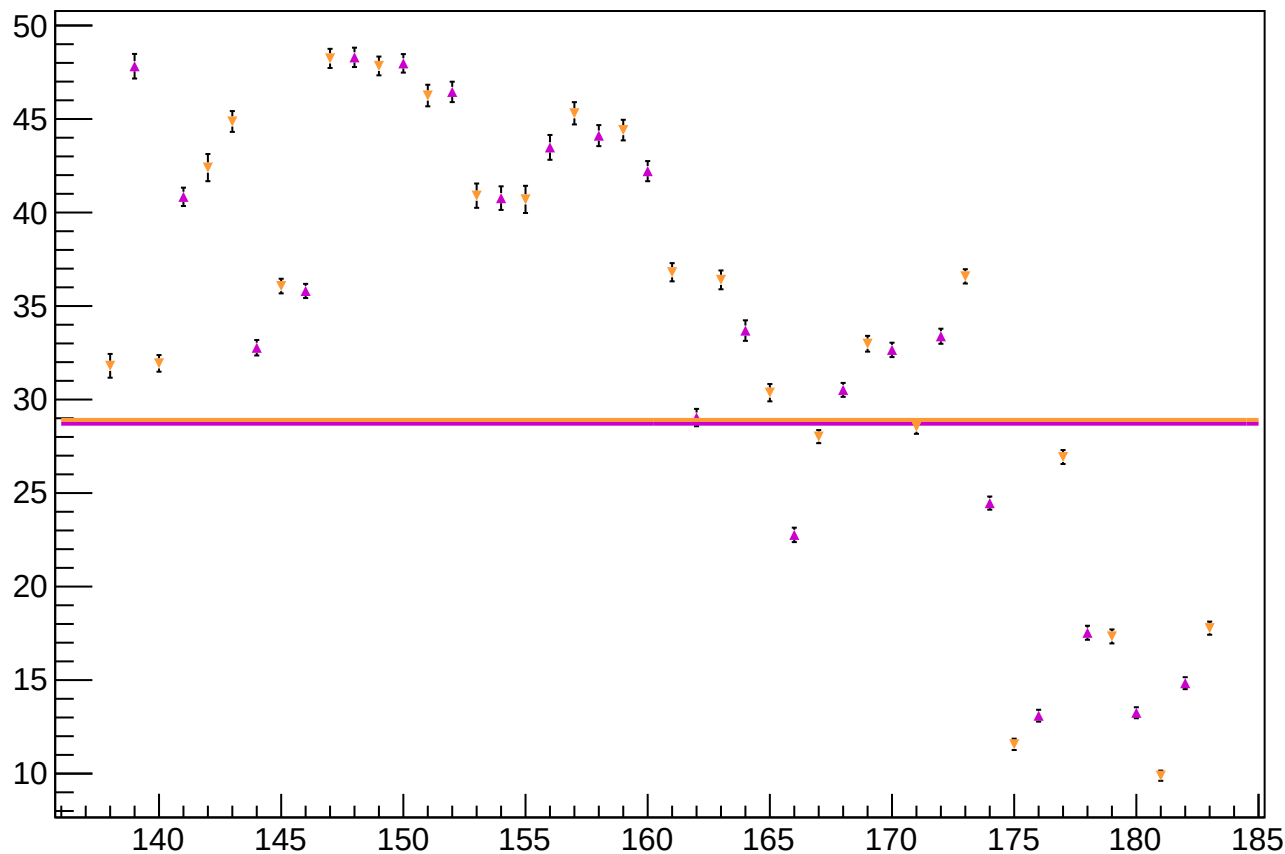
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.588+/-0.070 χ^2/NDF :8492.6/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.684+/-0.071 χ^2/NDF :6406.8/21

Left: 0.635+/-0.050 χ^2/NDF : 14900.3/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.684+/-0.071 χ^2/NDF :6406.8/21
 Out: 0.588+/-0.070 χ^2/NDF :8492.6/23
 All: 0.635+/-0.050 χ^2/NDF : 14900.3/45

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 28.911 $\pm$ 0.089 χ^2 /NDF:18555.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 28.710 $\pm$ 0.090 χ^2 /NDF:16837.0/21

Left: 28.812 $\pm$ 0.063 χ^2 /NDF: 35395.3/45

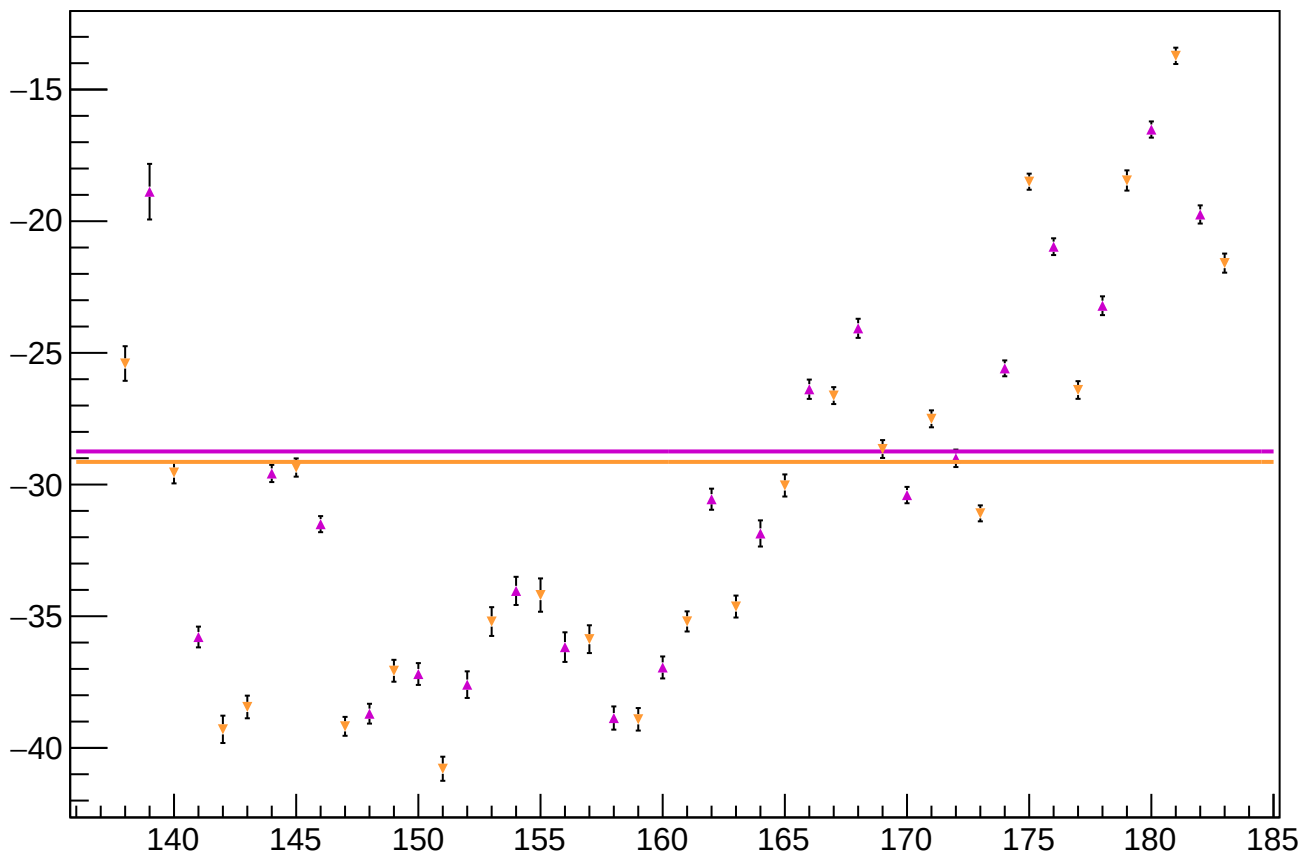
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 28.710 $\pm$ 0.090 χ^2 /NDF:16837.0/21

Out: 28.911 $\pm$ 0.089 χ^2 /NDF:18555.8/23

All: 28.812 $\pm$ 0.063 χ^2 /NDF: 35395.3/45

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -29.140 $\pm$ 0.079 χ^2 /NDF:9069.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -28.743 $\pm$ 0.080 χ^2 /NDF:6608.5/21

Left: -28.945 $\pm$ 0.056 χ^2 /NDF: 15690.5/45

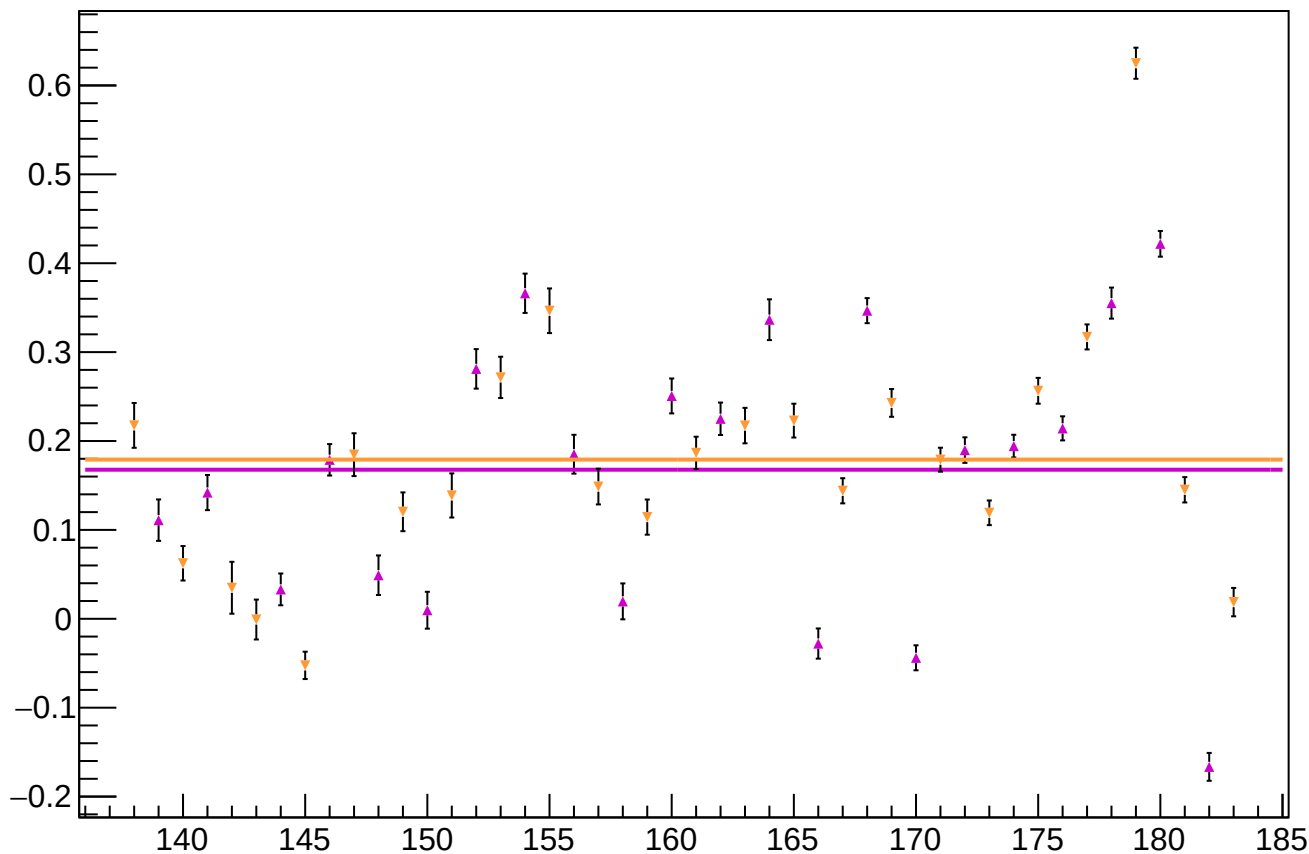
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -28.743 $\pm$ 0.080 χ^2 /NDF:6608.5/21

Out: -29.140 $\pm$ 0.079 χ^2 /NDF:9069.6/23

All: -28.945 $\pm$ 0.056 χ^2 /NDF: 15690.5/45

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.179 $\pm$ 0.004 χ^2 /NDF:1368.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.168 $\pm$ 0.004 χ^2 /NDF:1810.7/21

Left: 0.173 $\pm$ 0.003 χ^2 /NDF: 3183.7/45

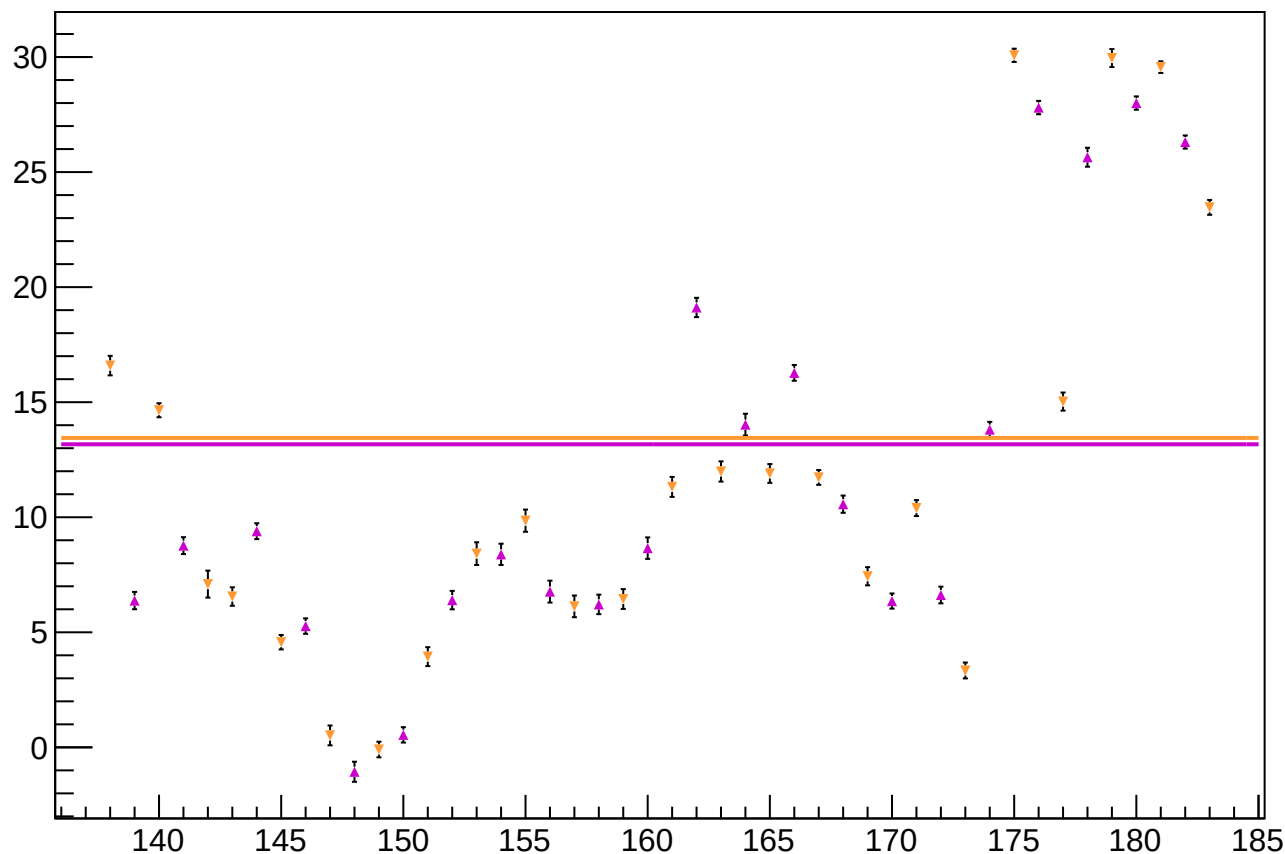
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.168 $\pm$ 0.004 χ^2 /NDF:1810.7/21

Out: 0.179 $\pm$ 0.004 χ^2 /NDF:1368.1/23

All: 0.173 $\pm$ 0.003 χ^2 /NDF: 3183.7/45

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 13.447+/-0.076 χ^2/NDF :16339.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 13.170+/-0.078 χ^2/NDF :13821.4/21

Left: 13.312+/-0.054 χ^2/NDF : 30167.4/45

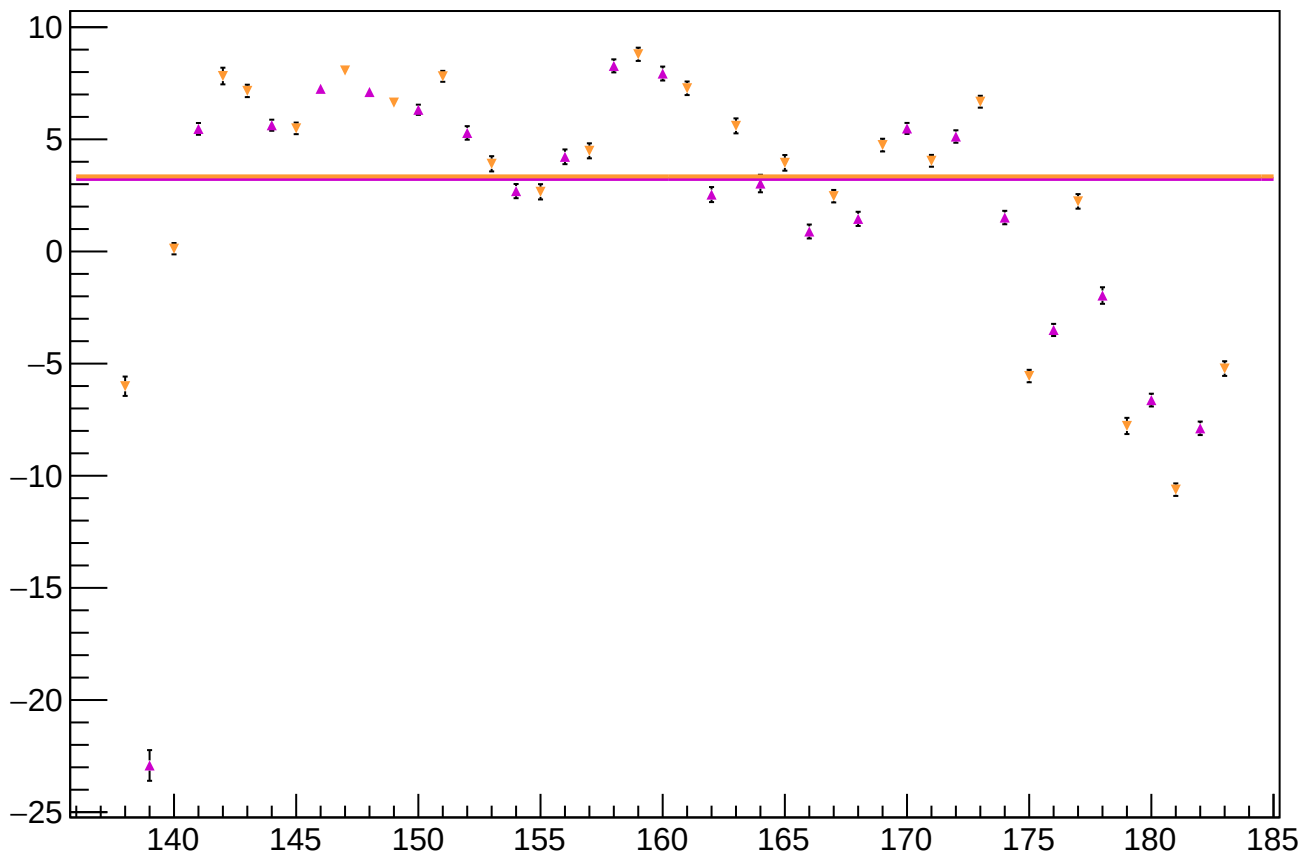
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 13.170+/-0.078 χ^2/NDF :13821.4/21

Out: 13.447+/-0.076 χ^2/NDF :16339.6/23

All: 13.312+/-0.054 χ^2/NDF : 30167.4/45

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 3.348+/-0.059 χ^2/NDF :8057.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 3.236+/-0.061 χ^2/NDF :6706.6/21

Left: 3.294+/-0.042 χ^2/NDF : 14766.0/45

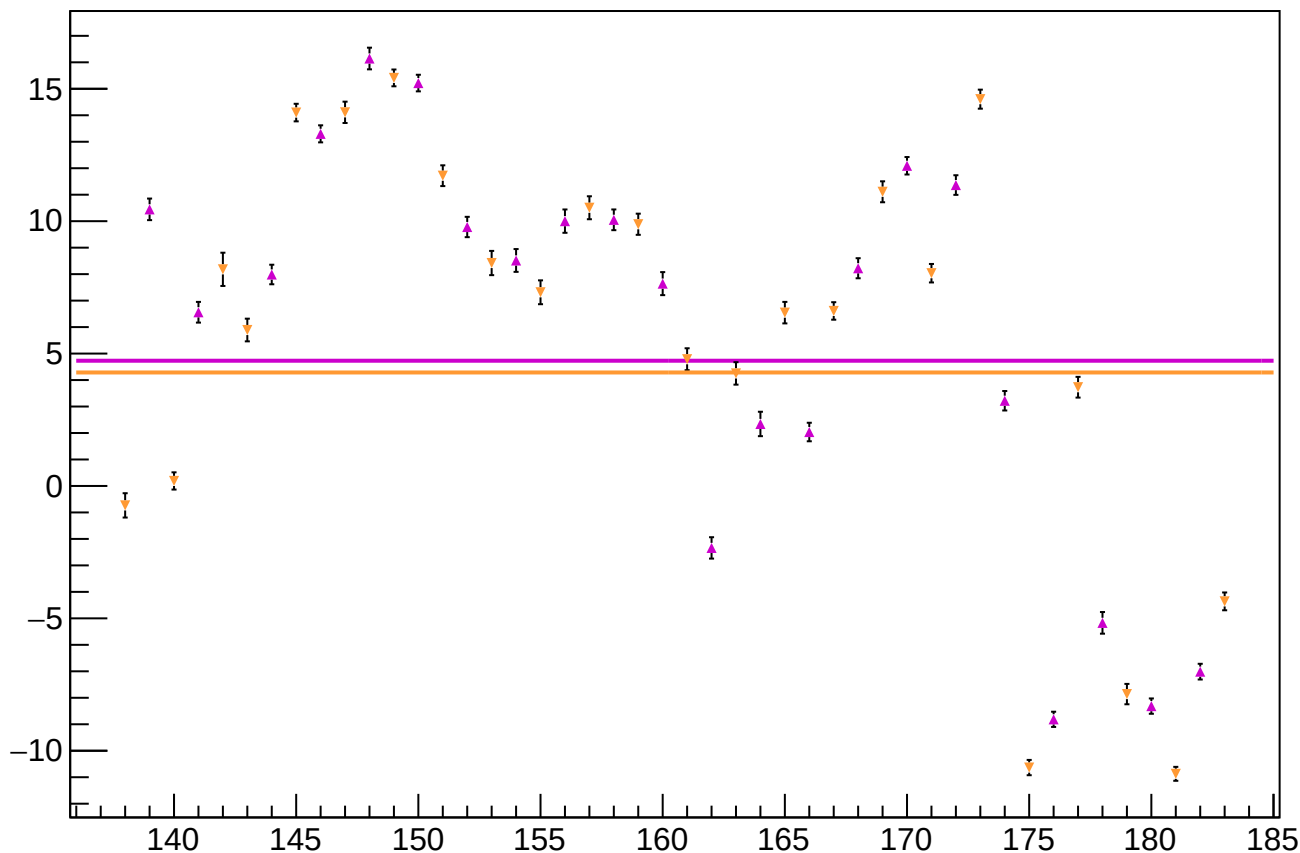
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3.236+/-0.061 χ^2/NDF :6706.6/21

Out: 3.348+/-0.059 χ^2/NDF :8057.7/23

All: 3.294+/-0.042 χ^2/NDF : 14766.0/45

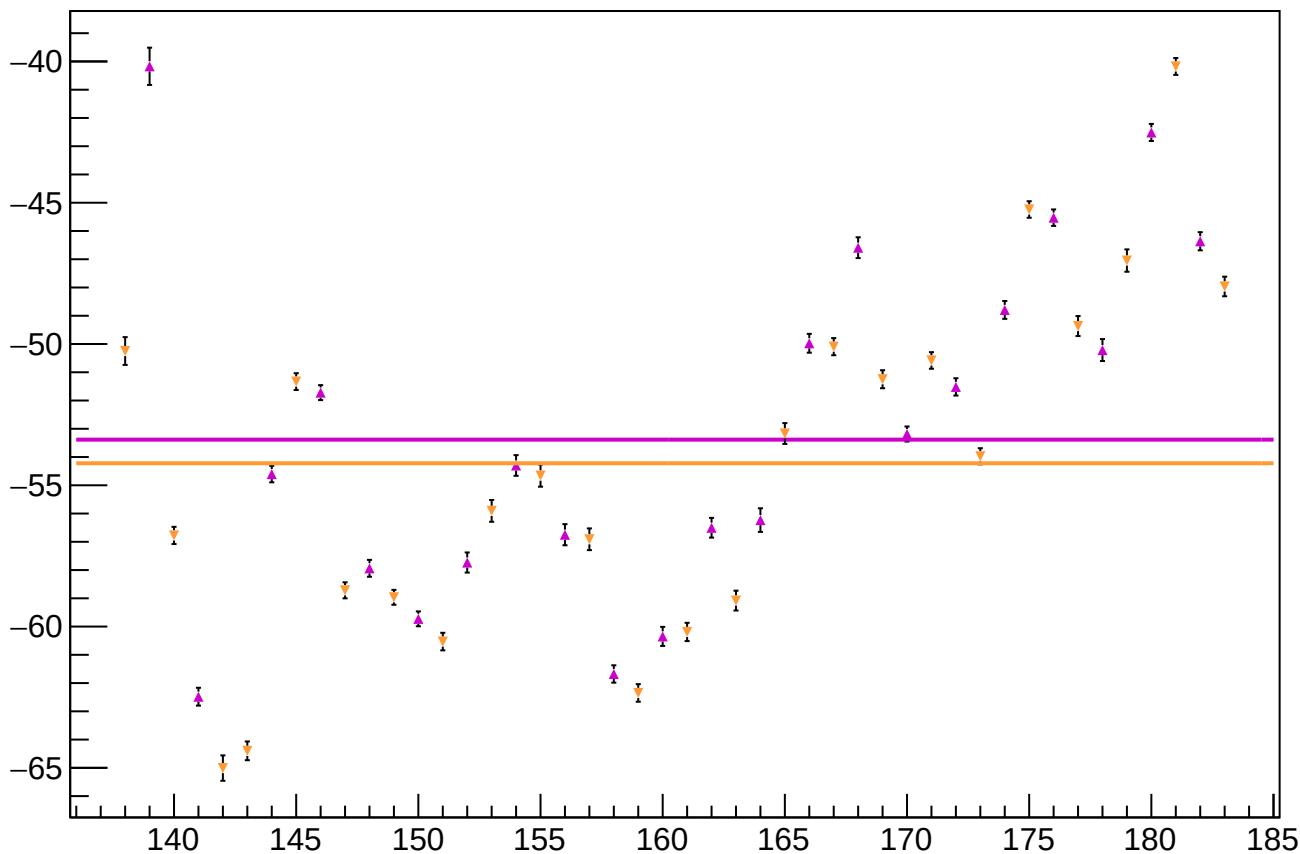
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.286 $\pm$ 0.076 χ^2 /NDF:12885.1/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.730 $\pm$ 0.078 χ^2 /NDF:11243.5/21

Left: 4.504 $\pm$ 0.054 χ^2 /NDF: 24145.3/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.730 $\pm$ 0.078 χ^2 /NDF:11243.5/21
 Out: 4.286 $\pm$ 0.076 χ^2 /NDF:12885.1/23
 All: 4.504 $\pm$ 0.054 χ^2 /NDF: 24145.3/45

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -54.221+/-0.067 χ^2/NDF :8448.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -53.384+/-0.069 χ^2/NDF :6873.2/21

Left: -53.815+/-0.048 χ^2/NDF : 15397.4/45

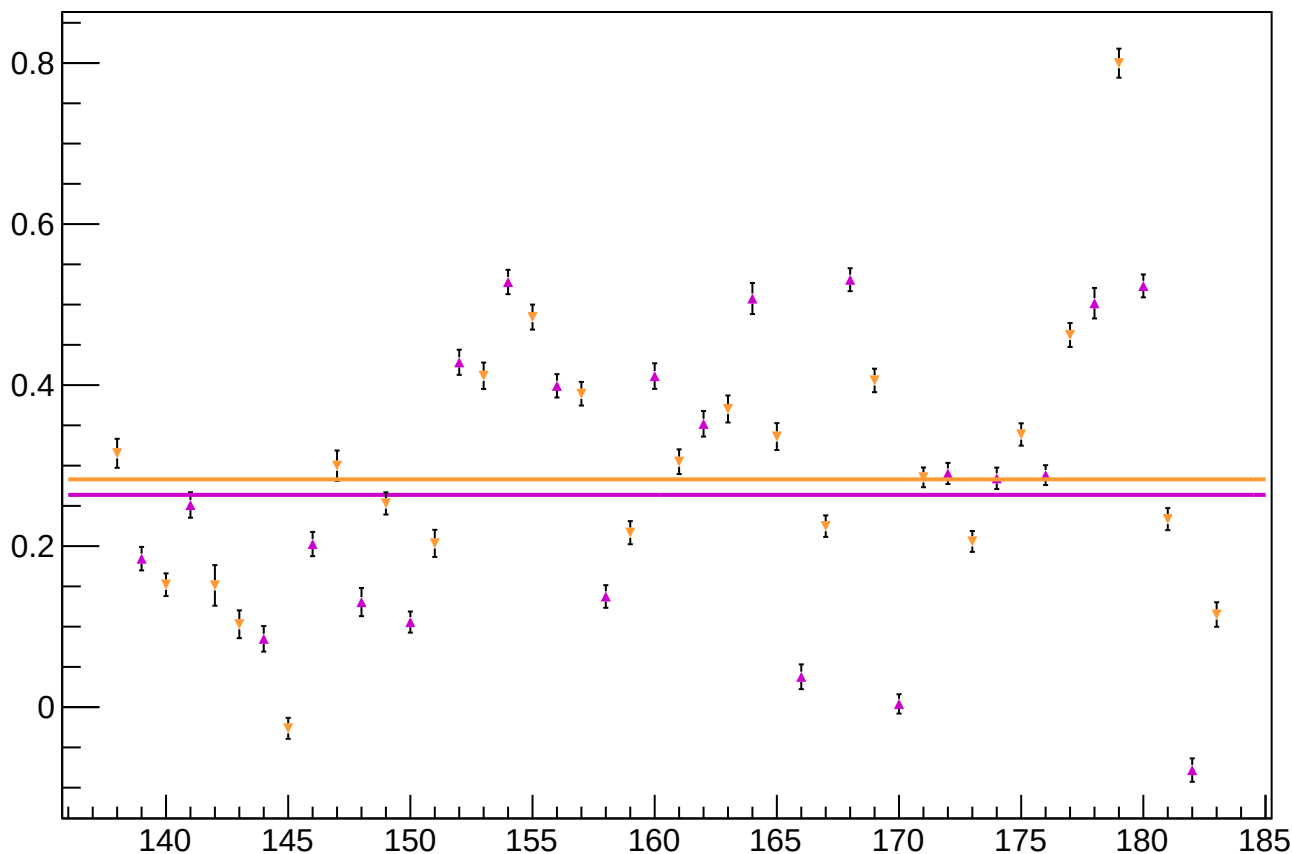
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.384+/-0.069 χ^2/NDF :6873.2/21

Out: -54.221+/-0.067 χ^2/NDF :8448.5/23

All: -53.815+/-0.048 χ^2/NDF : 15397.4/45

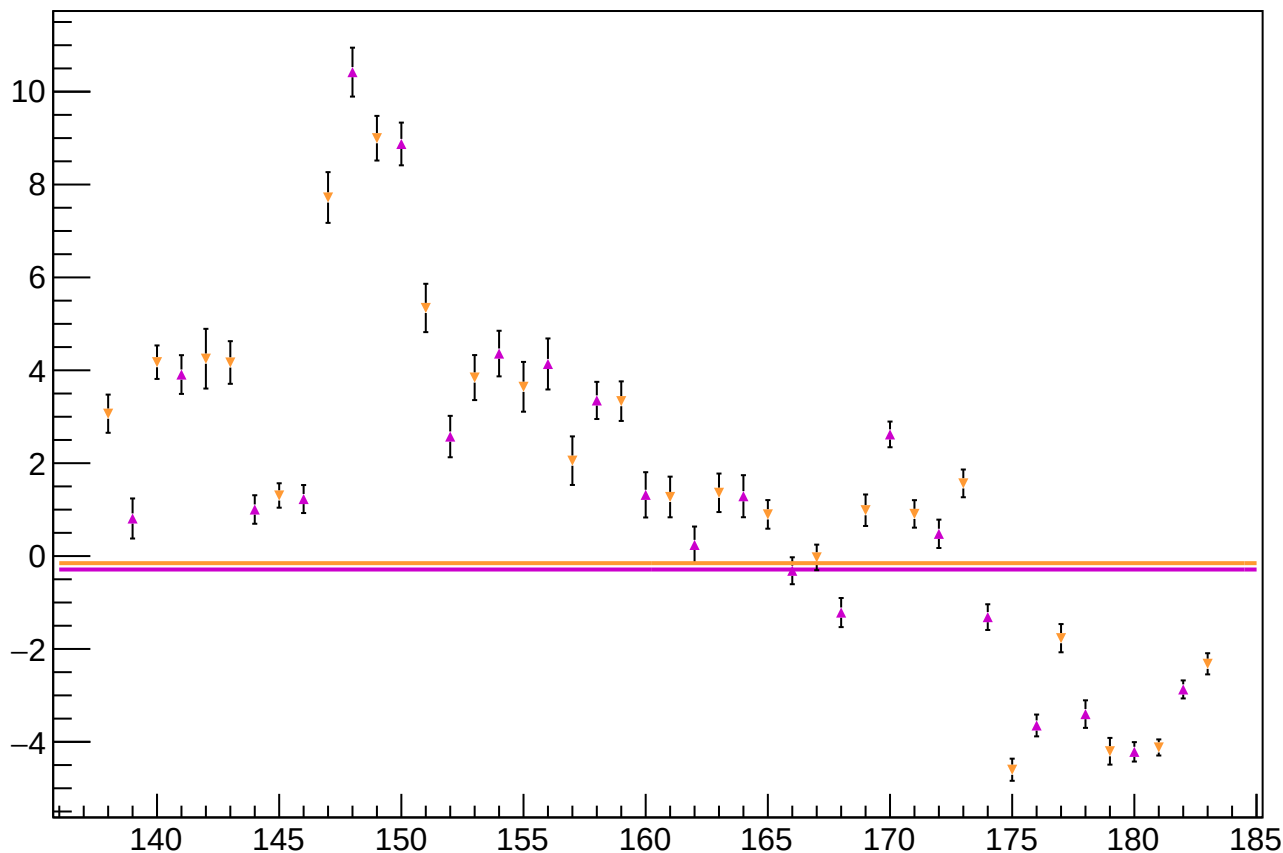
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.283 $\pm$ 0.003 χ^2 /NDF:2405.5/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.264 $\pm$ 0.003 χ^2 /NDF:3328.0/21

Left: 0.273 $\pm$ 0.002 χ^2 /NDF: 5752.7/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.264 $\pm$ 0.003 χ^2 /NDF:3328.0/21
 Out: 0.283 $\pm$ 0.003 χ^2 /NDF:2405.5/23
 All: 0.273 $\pm$ 0.002 χ^2 /NDF: 5752.7/45

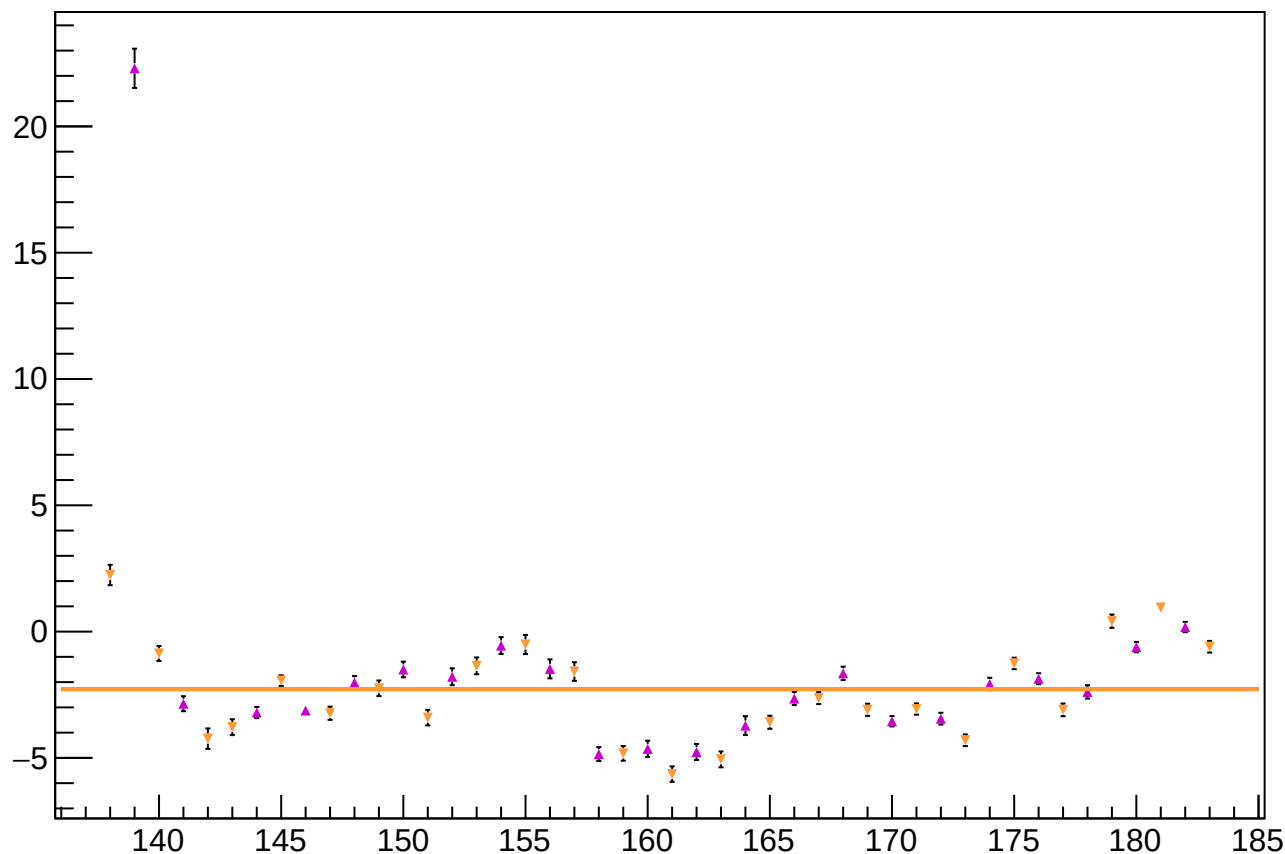
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.153+/-0.067 χ^2/NDF :2538.5/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.290+/-0.069 χ^2/NDF :2247.9/21

Left: -0.220+/-0.048 χ^2/NDF : 4788.4/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.290+/-0.069 χ^2/NDF :2247.9/21
 Out: -0.153+/-0.067 χ^2/NDF :2538.5/23
 All: -0.220+/-0.048 χ^2/NDF : 4788.4/45

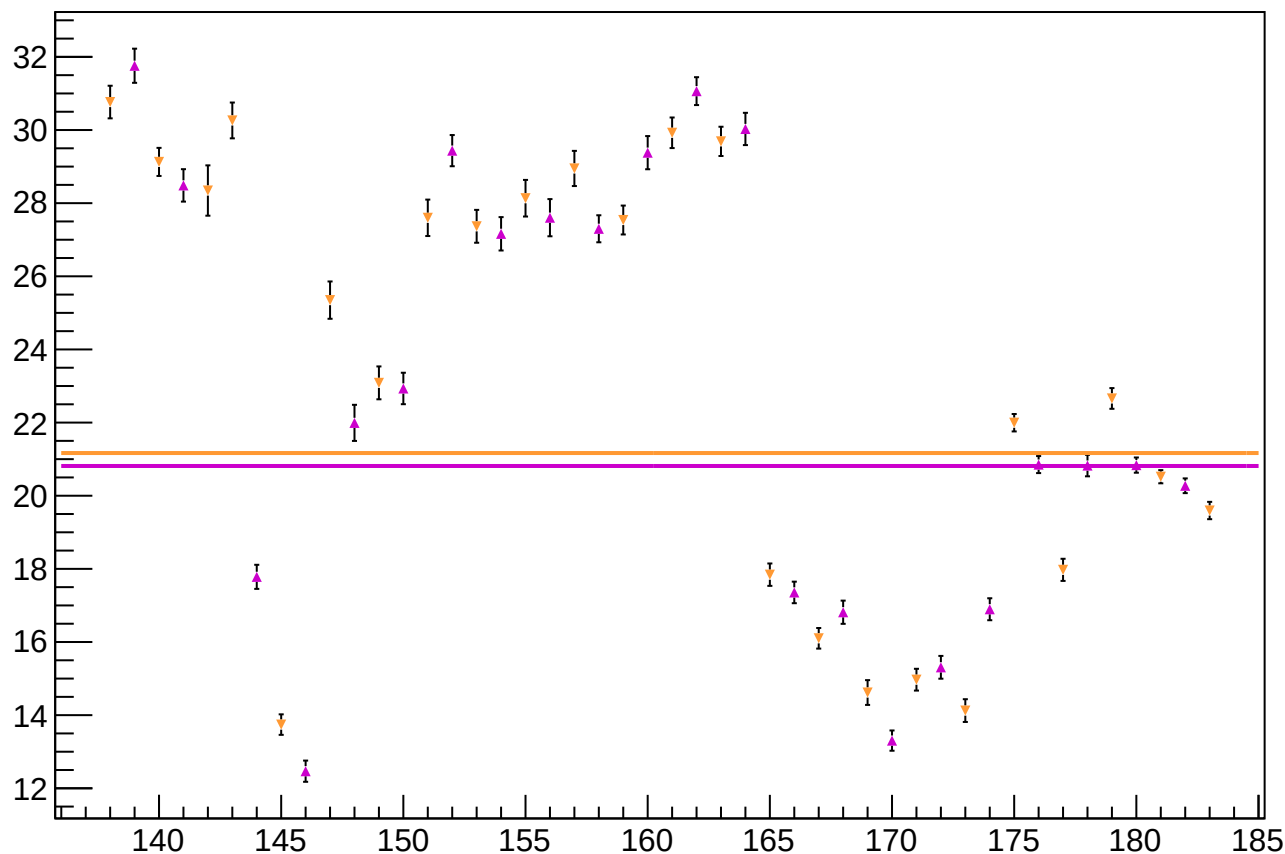
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.274+/-0.055 χ^2/NDF :1135.0/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.278+/-0.056 χ^2/NDF :1586.6/21

Left: -2.276+/-0.039 χ^2/NDF : 2721.6/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.278+/-0.056 χ^2/NDF :1586.6/21
 Out: -2.274+/-0.055 χ^2/NDF :1135.0/23
 All: -2.276+/-0.039 χ^2/NDF : 2721.6/45

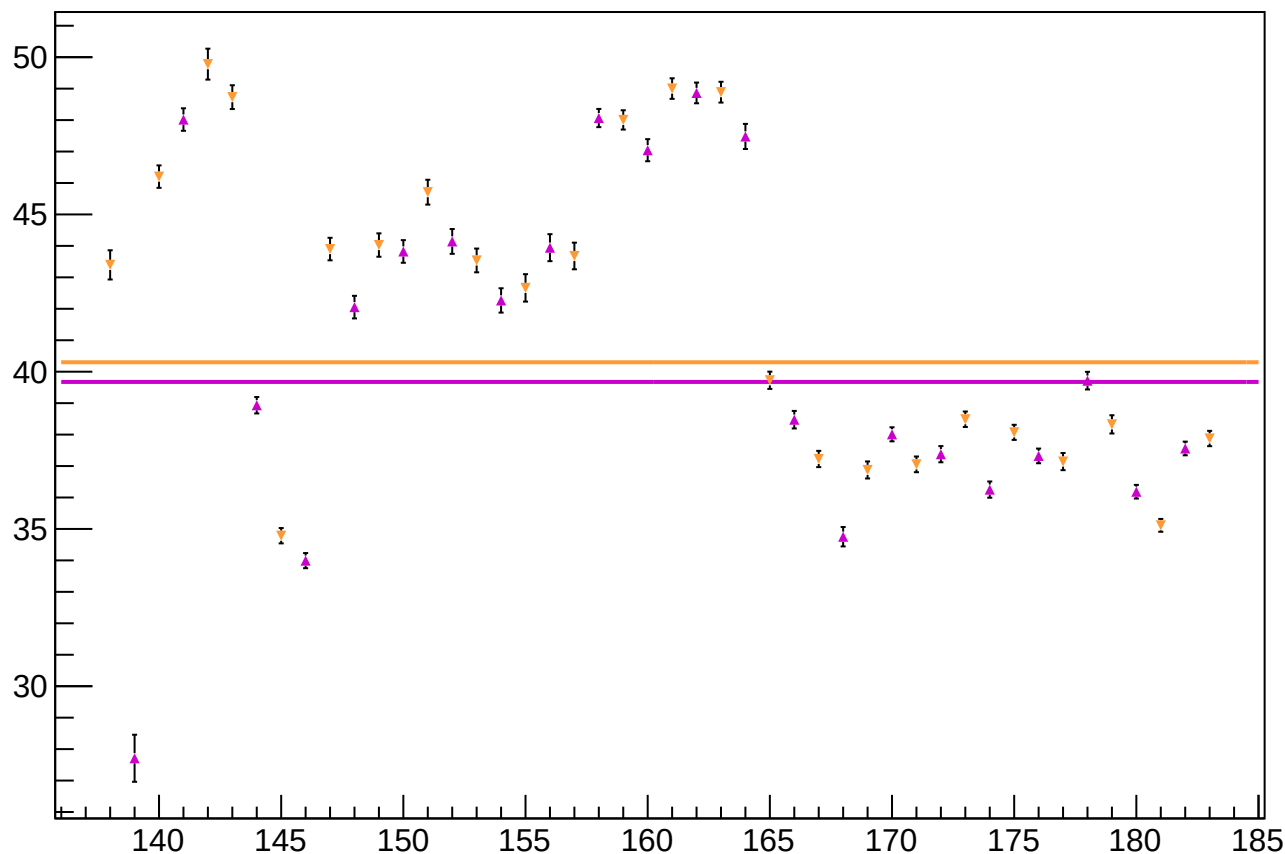
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 21.167+/-0.068 χ^2/NDF :6068.7/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 20.813+/-0.069 χ^2/NDF :5917.8/21

Left: 20.993+/-0.048 χ^2/NDF : 12000.0/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 20.813+/-0.069 χ^2/NDF :5917.8/21
 Out: 21.167+/-0.068 χ^2/NDF :6068.7/23
 All: 20.993+/-0.048 χ^2/NDF : 12000.0/45

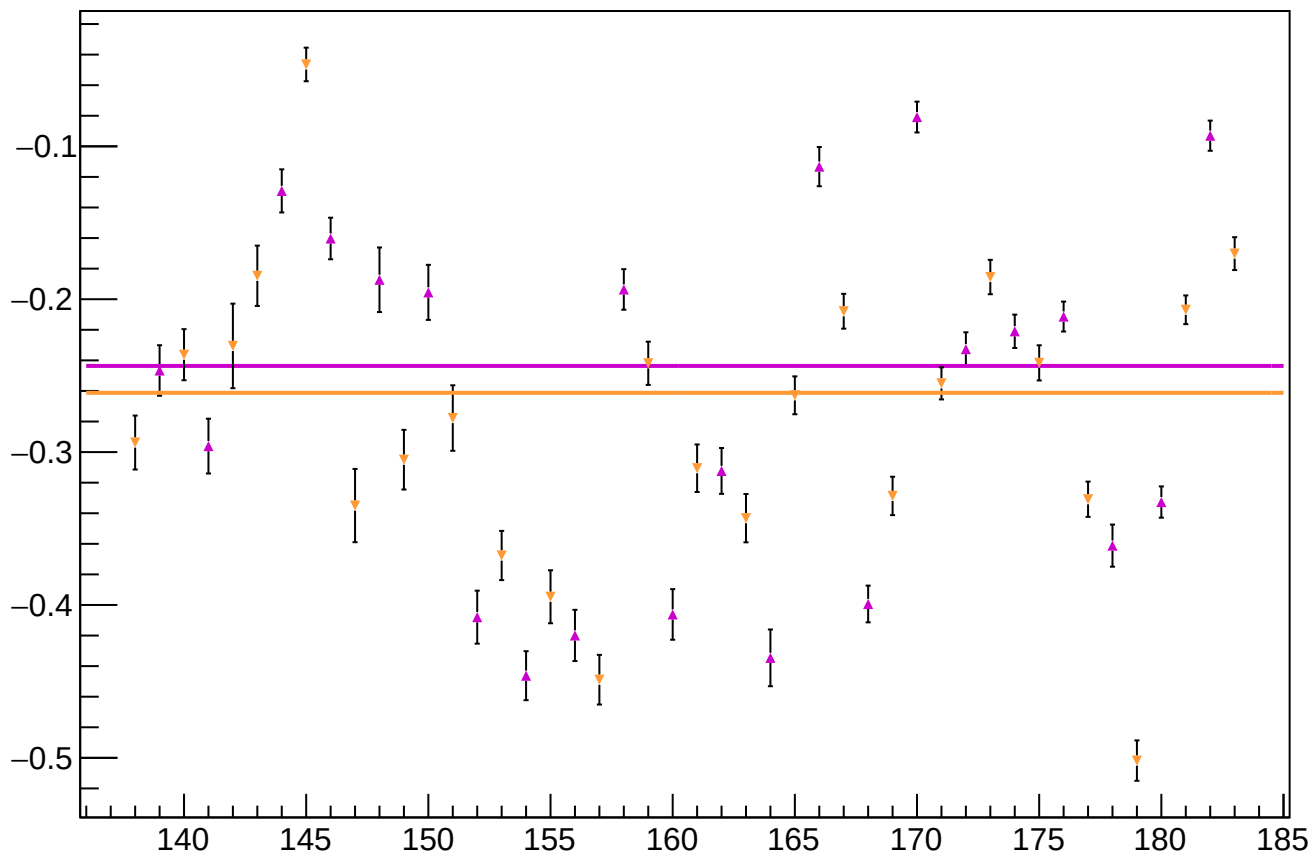
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 40.300 $\pm$ 0.061 χ^2 /NDF:5805.9/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 39.674 $\pm$ 0.062 χ^2 /NDF:5294.8/21

Left: 39.992 $\pm$ 0.044 χ^2 /NDF: 11152.2/45
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 39.674 $\pm$ 0.062 χ^2 /NDF:5294.8/21
 Out: 40.300 $\pm$ 0.061 χ^2 /NDF:5805.9/23
 All: 39.992 $\pm$ 0.044 χ^2 /NDF: 11152.2/45

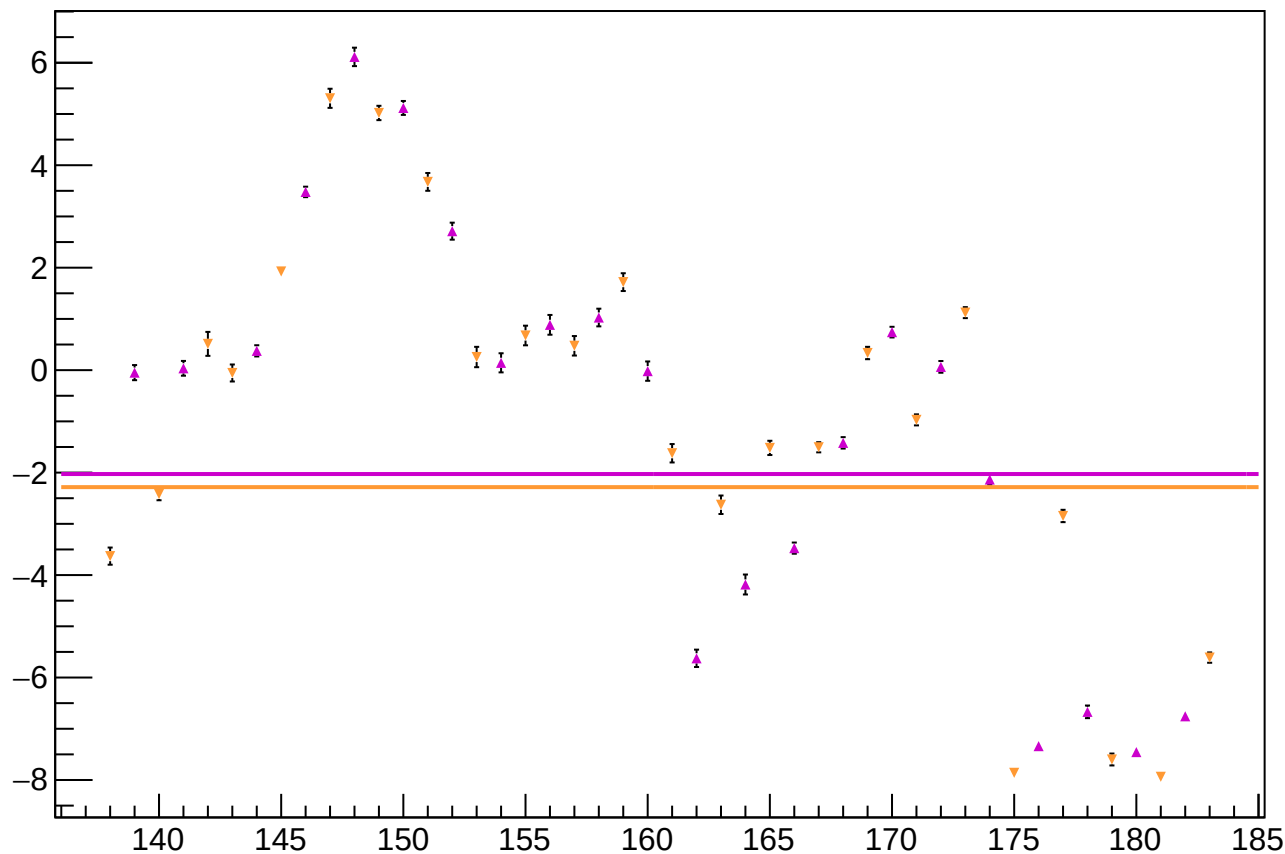
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.261+/-0.003 χ^2/NDF :1267.3/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.244+/-0.003 χ^2/NDF :1654.2/21

Left: -0.253+/-0.002 χ^2/NDF : 2941.1/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.244+/-0.003 χ^2/NDF :1654.2/21
 Out: -0.261+/-0.003 χ^2/NDF :1267.3/23
 All: -0.253+/-0.002 χ^2/NDF : 2941.1/45

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



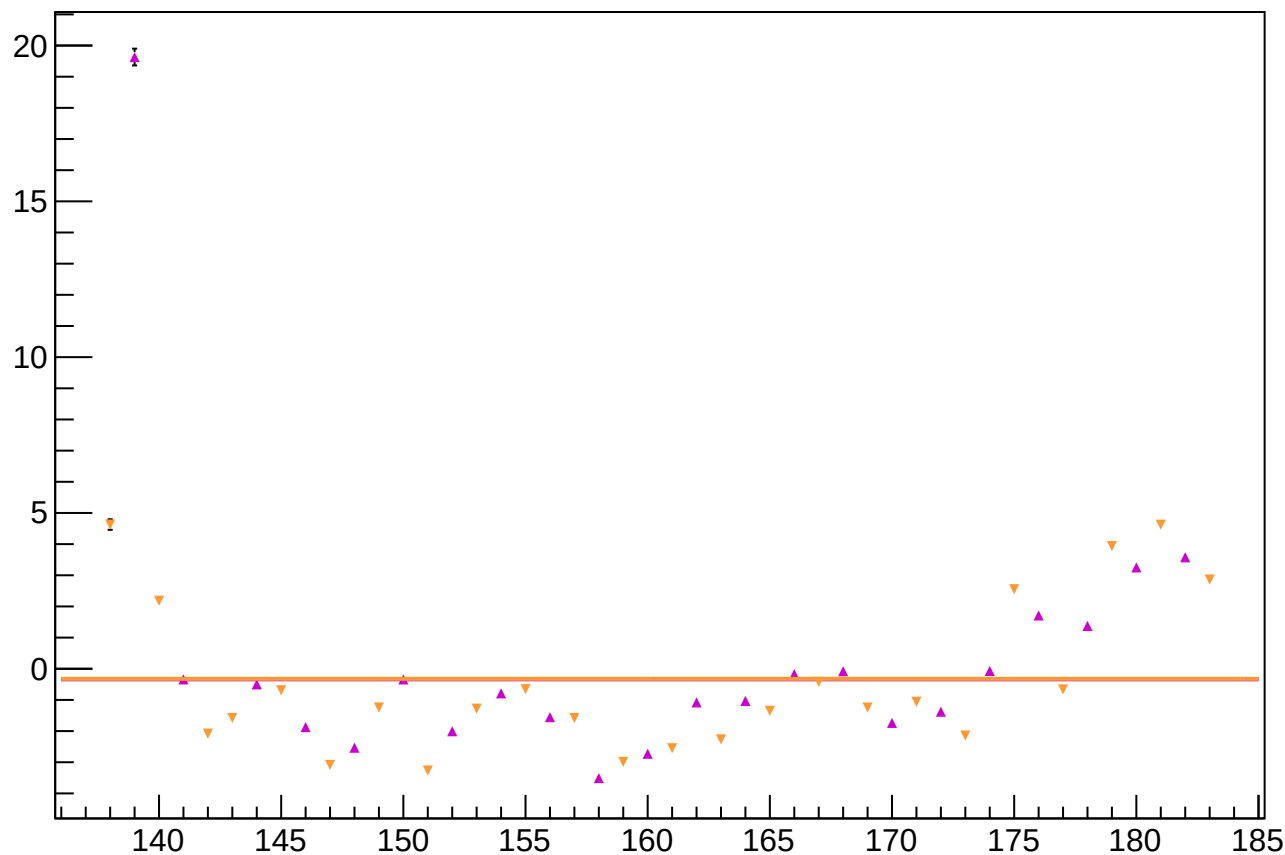
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.284+/-0.026 χ^2/NDF :23302.1/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.028+/-0.026 χ^2/NDF :23105.6/21

Left: -2.158+/-0.018 χ^2/NDF : 46455.5/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.028+/-0.026 χ^2/NDF :23105.6/21
 Out: -2.284+/-0.026 χ^2/NDF :23302.1/23

All: -2.158+/-0.018 χ^2/NDF : 46455.5/45

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



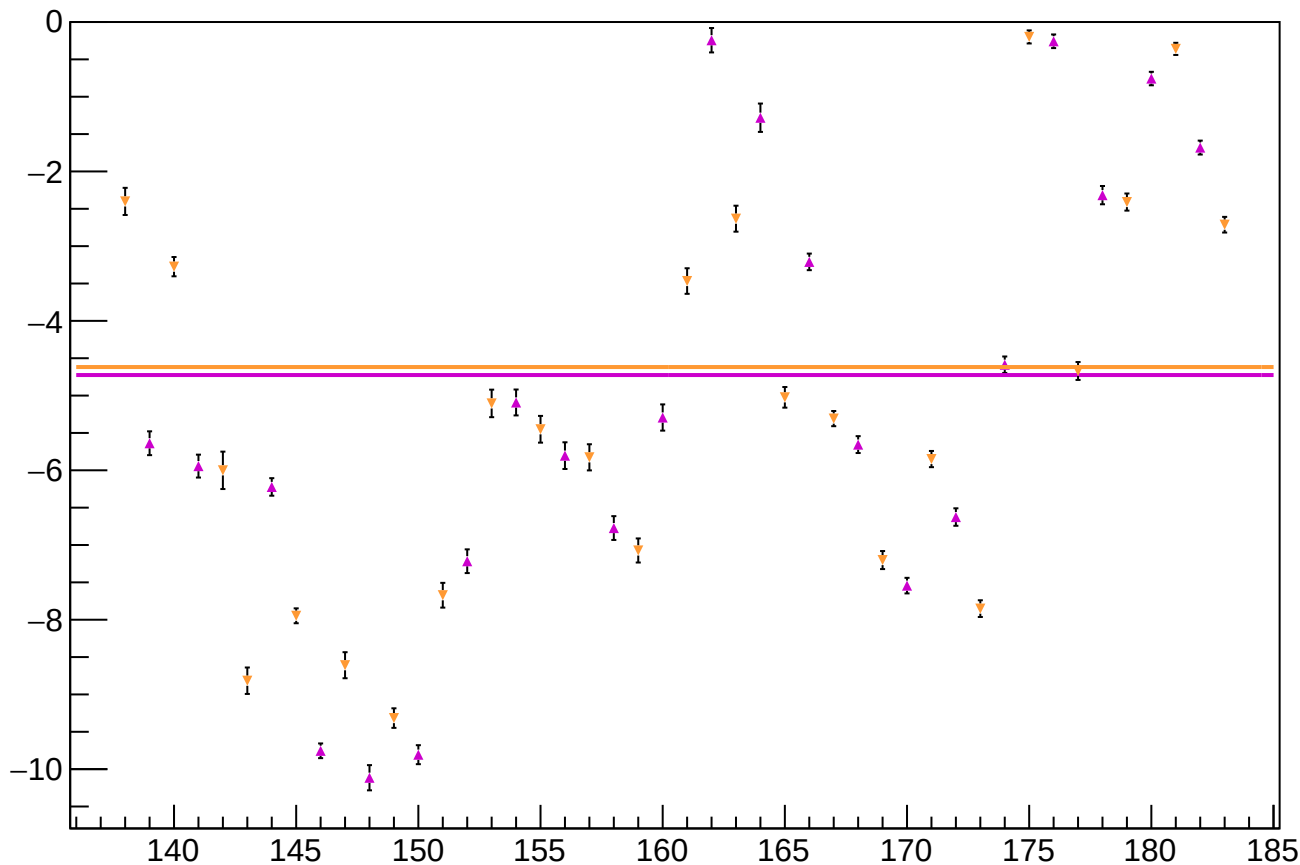
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.323+/-0.021 χ^2/NDF :12577.1/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.338+/-0.021 χ^2/NDF :12701.2/21

Left: -0.331+/-0.015 χ^2/NDF : 25278.6/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.338+/-0.021 χ^2/NDF :12701.2/21
 Out: -0.323+/-0.021 χ^2/NDF :12577.1/23

All: -0.331+/-0.015 χ^2/NDF : 25278.6/45

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



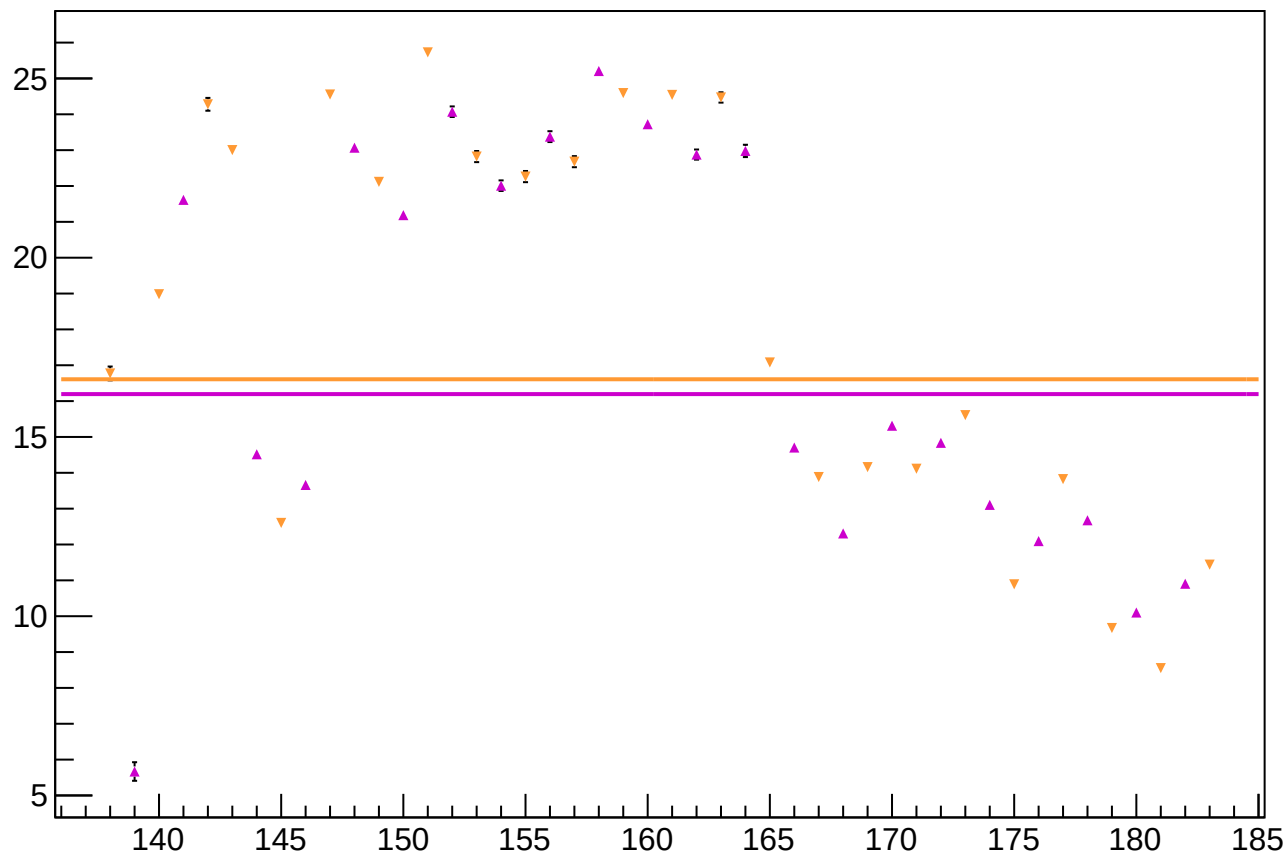
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -4.618+/-0.026 χ^2/NDF :12071.8/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.725+/-0.026 χ^2/NDF :14071.9/21

Left: -4.671+/-0.019 χ^2/NDF : 26152.0/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -4.725+/-0.026 χ^2/NDF :14071.9/21
 Out: -4.618+/-0.026 χ^2/NDF :12071.8/23

All: -4.671+/-0.019 χ^2/NDF : 26152.0/45

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 16.609+/-0.023 χ^2/NDF :53658.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 16.195+/-0.024 χ^2/NDF :41461.0/21

Left: 16.406+/-0.017 χ^2/NDF : 95273.1/45

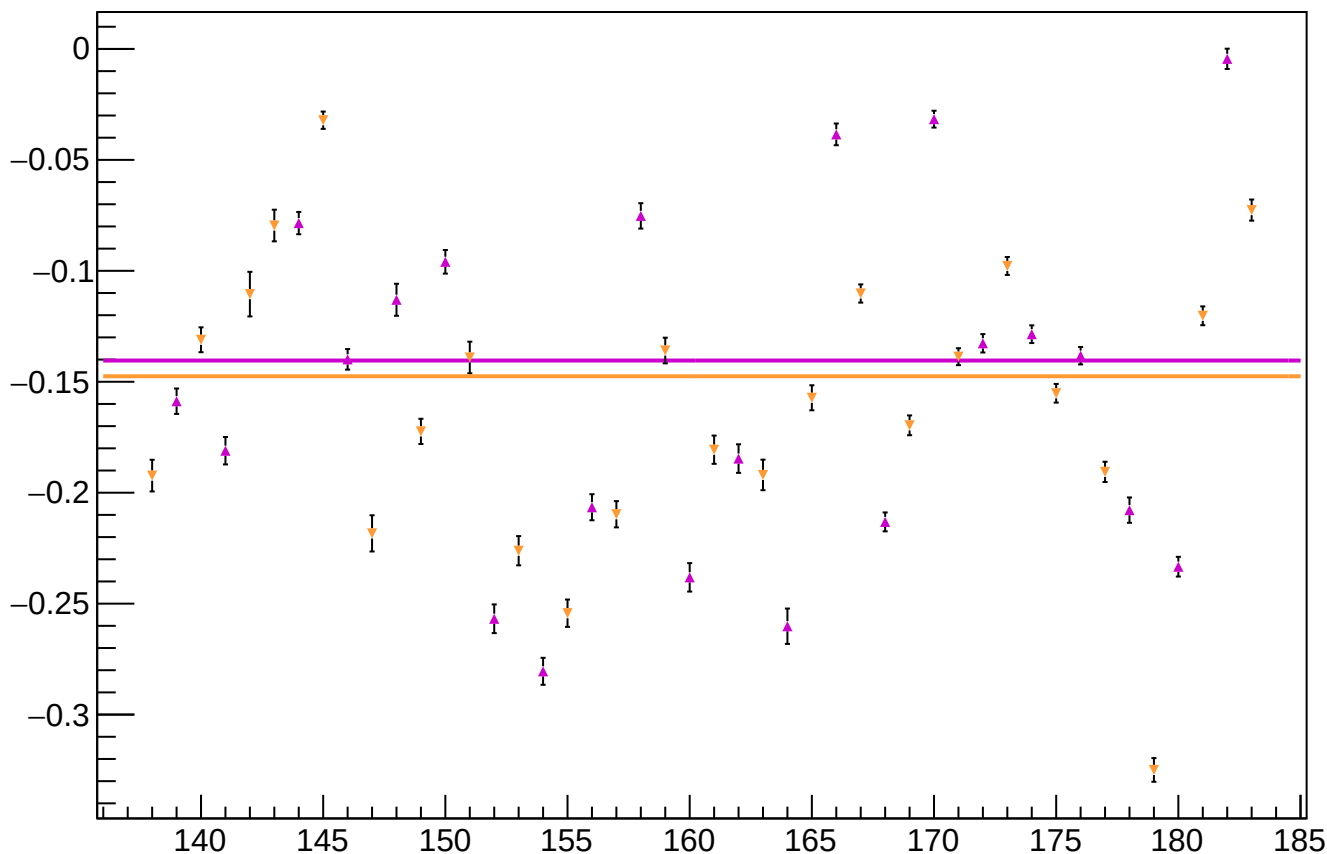
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 16.195+/-0.024 χ^2/NDF :41461.0/21

Out: 16.609+/-0.023 χ^2/NDF :53658.3/23

All: 16.406+/-0.017 χ^2/NDF : 95273.1/45

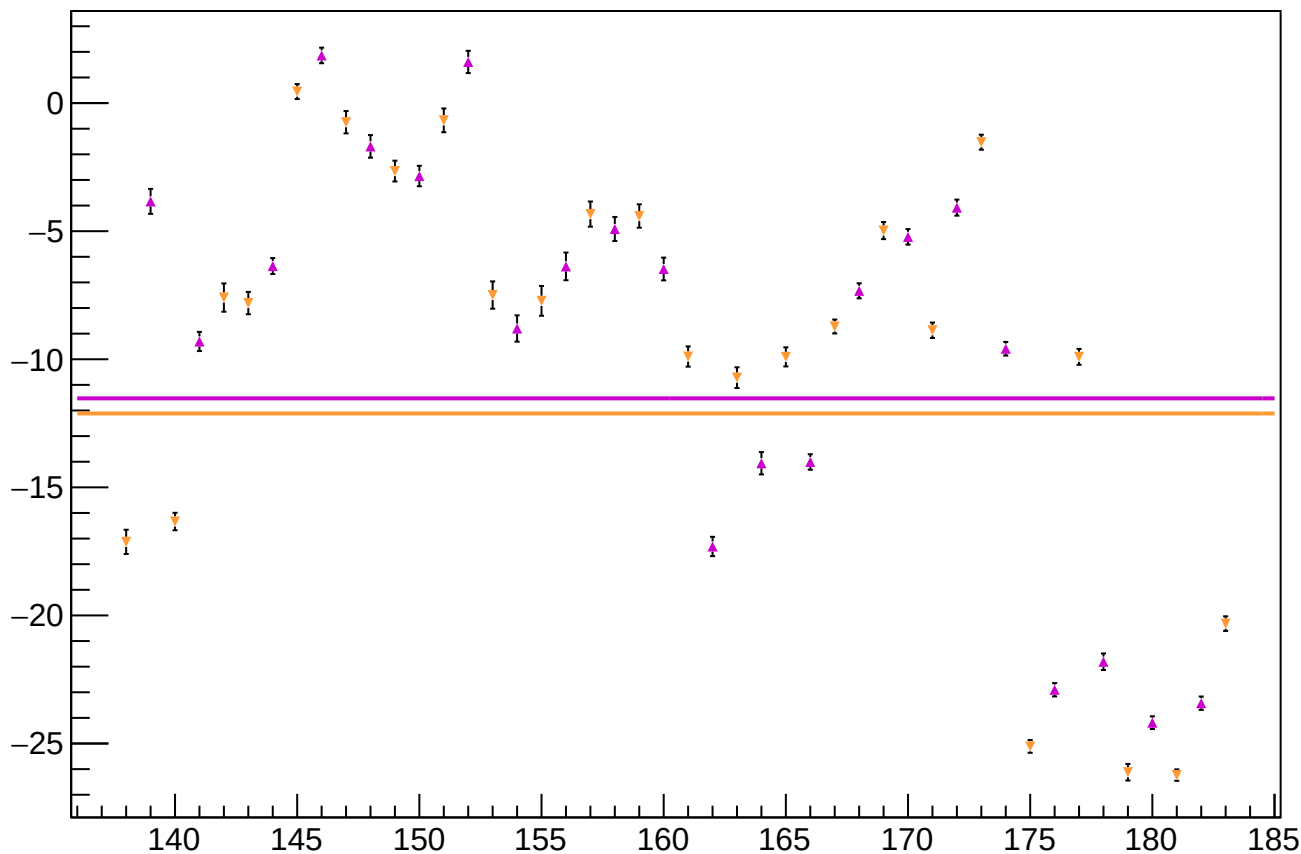
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.148+/-0.001 χ^2/NDF : 3495.2/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.140+/-0.001 χ^2/NDF : 4925.5/21

Left: -0.144+/-0.001 χ^2/NDF : 8442.4/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.140+/-0.001 χ^2/NDF : 4925.5/21
 Out: -0.148+/-0.001 χ^2/NDF : 3495.2/23
 All: -0.144+/-0.001 χ^2/NDF : 8442.4/45

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -12.116+/-0.071 χ^2/NDF :16366.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -11.526+/-0.072 χ^2/NDF :14003.4/21

Left: -11.826+/-0.051 χ^2/NDF : 30404.1/45

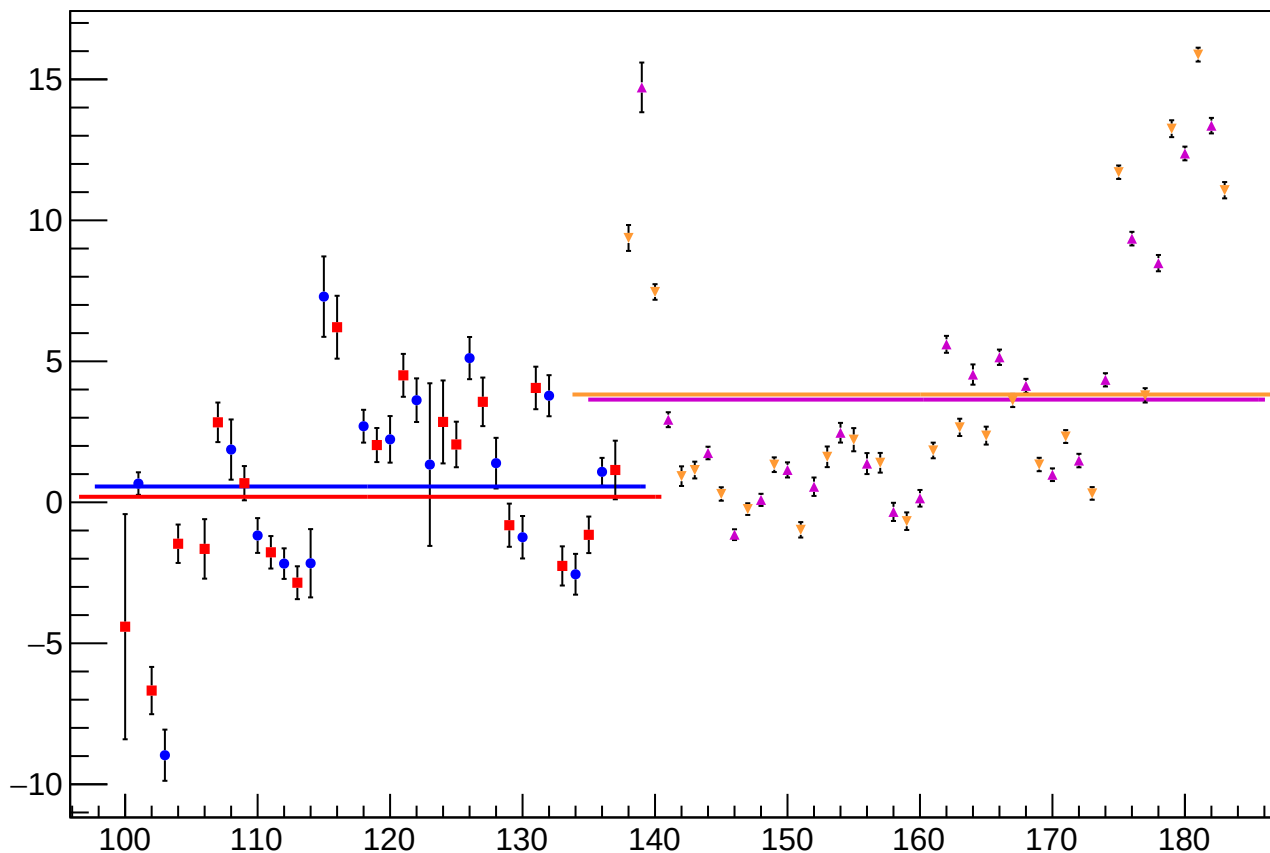
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.526+/-0.072 χ^2/NDF :14003.4/21

Out: -12.116+/-0.071 χ^2/NDF :16366.9/23

All: -11.826+/-0.051 χ^2/NDF : 30404.1/45

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.561 $\pm$ 0.170 χ^2 /NDF: 288.7/16

Left Out: 3.824 $\pm$ 0.056 χ^2 /NDF:7363.5/23

Right Out: 0.196 $\pm$ 0.175 χ^2 /NDF: 271.2/18

Left In: 3.642 $\pm$ 0.057 χ^2 /NDF:5338.7/21

Left: 3.735 $\pm$ 0.040 χ^2 /NDF: 12707.3/45

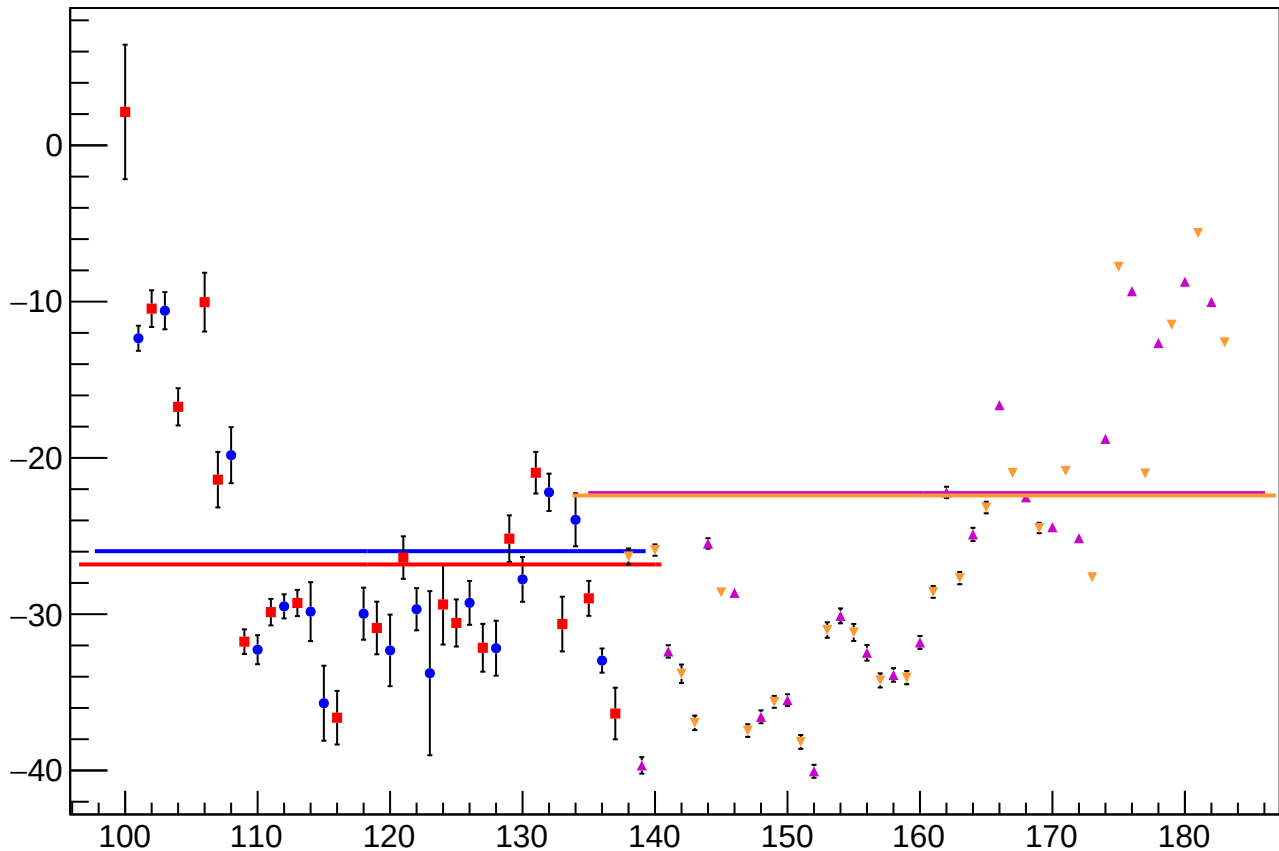
Right: 0.383 $\pm$ 0.122 χ^2 /NDF: 562.1/35

In: 3.332 $\pm$ 0.054 χ^2 /NDF:5921.3/38

Out: 3.486 $\pm$ 0.053 χ^2 /NDF:8025.0/42

All: 3.410 $\pm$ 0.038 χ^2 /NDF: 13950.5/81

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.968 ± 0.301 χ^2/NDF : 691.1/16

Left Out: -22.404 ± 0.071 χ^2/NDF : 19549.3/23

Right Out: -26.818 ± 0.298 χ^2/NDF : 580.9/18

Left In: -22.253 ± 0.072 χ^2/NDF : 17608.8/21

Left: -22.329 ± 0.051 χ^2/NDF : 37160.3/45

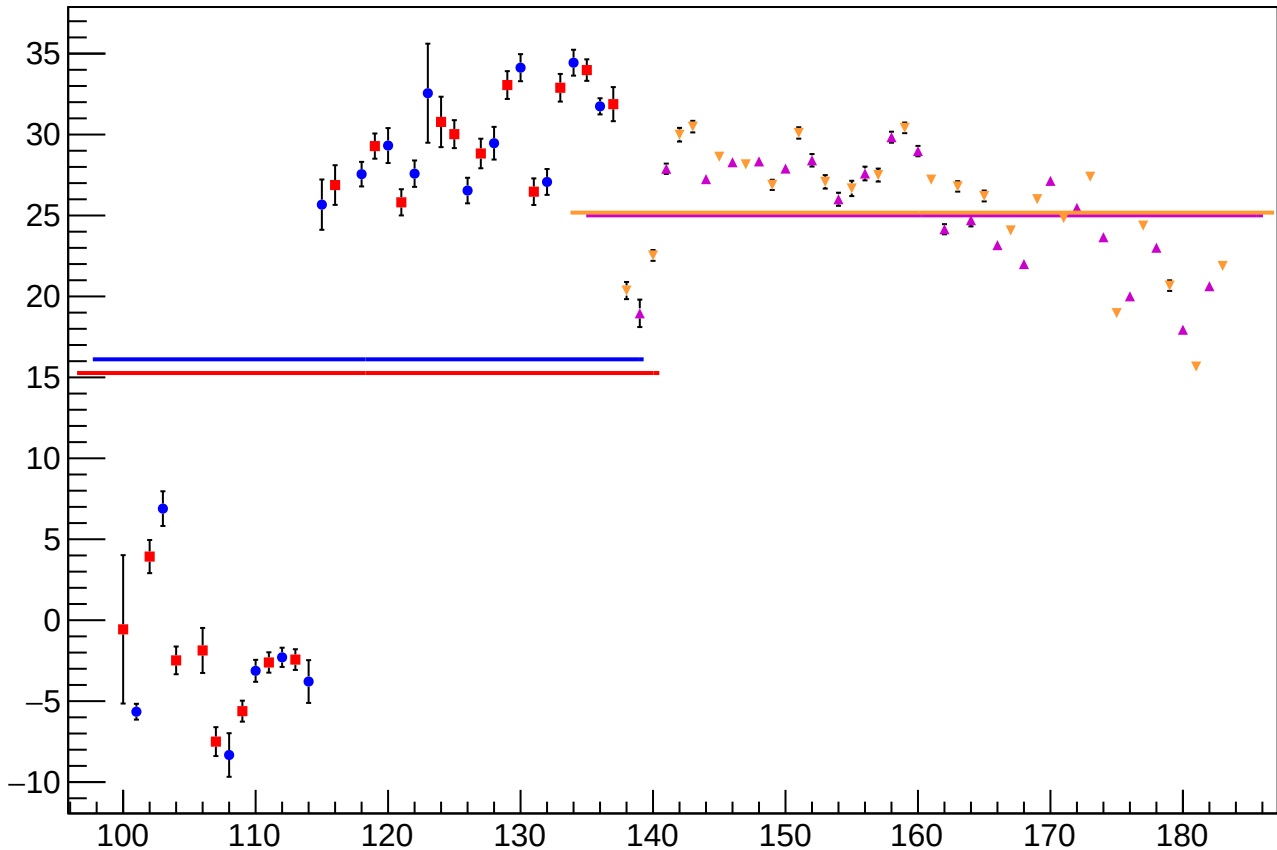
Right: -26.397 ± 0.212 χ^2/NDF : 1276.0/35

In: -22.456 ± 0.070 χ^2/NDF : 18443.9/38

Out: -22.643 ± 0.069 χ^2/NDF : 20337.7/42

All: -22.551 ± 0.049 χ^2/NDF : 38785.2/81

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.115 $\pm$ 0.192 χ^2 /NDF: 7542.1/16

Left Out: 25.177 $\pm$ 0.063 χ^2 /NDF:3728.7/23

Right Out: 15.269 $\pm$ 0.197 χ^2 /NDF: 7261.7/18

Left In: 25.008 $\pm$ 0.064 χ^2 /NDF:2721.9/21

Left: 25.094 $\pm$ 0.045 χ^2 /NDF: 6454.2/45

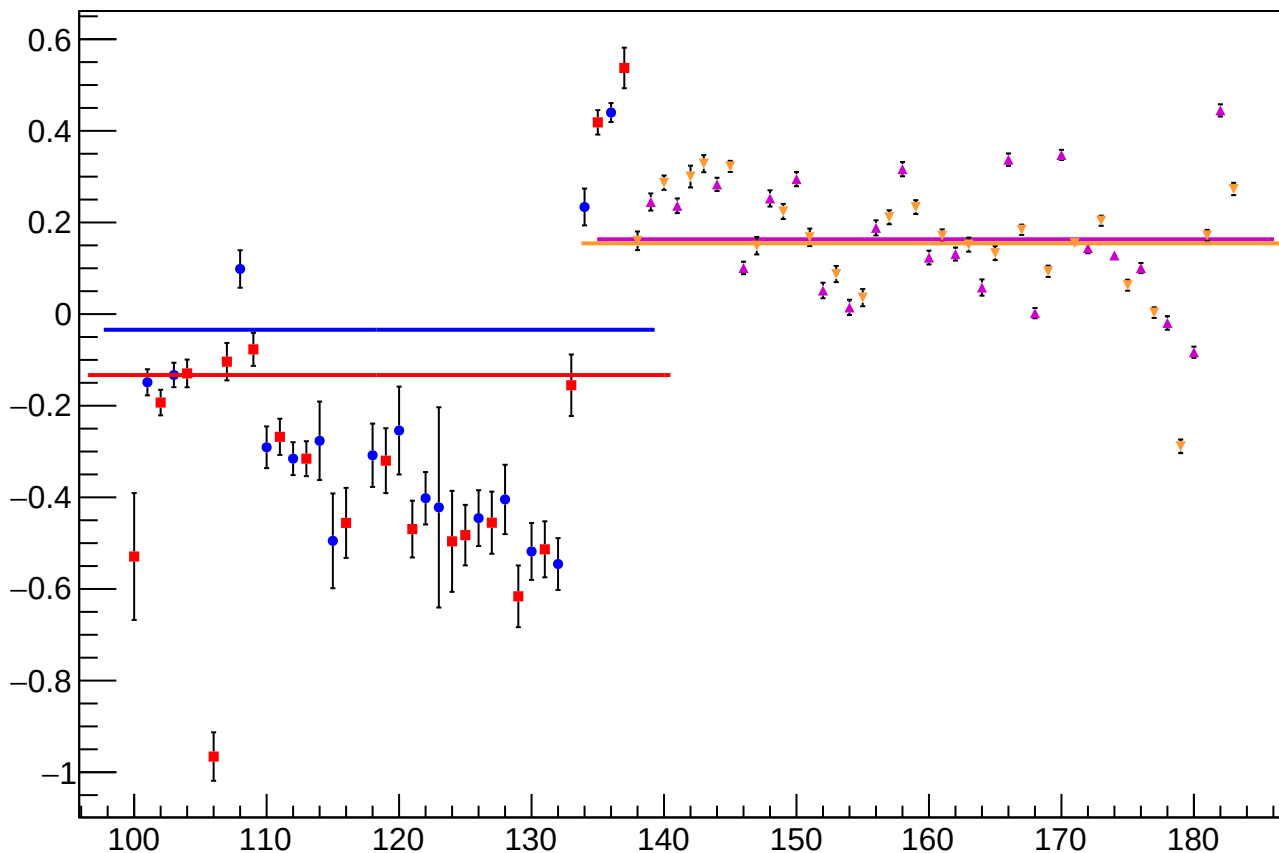
Right: 15.703 $\pm$ 0.138 χ^2 /NDF: 14813.2/35

In: 24.113 $\pm$ 0.061 χ^2 /NDF:12185.4/38

Out: 24.256 $\pm$ 0.060 χ^2 /NDF:13276.6/42

All: 24.185 $\pm$ 0.043 χ^2 /NDF: 25464.7/81

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.034 ± 0.010 χ^2/NDF : 1011.4/16

Left Out: 0.154 ± 0.003 χ^2/NDF : 1744.5/23

Right Out: -0.133 ± 0.010 χ^2/NDF : 1160.4/18

Left In: 0.163 ± 0.003 χ^2/NDF : 2195.9/21

Left: 0.159 ± 0.002 χ^2/NDF : 3944.9/45

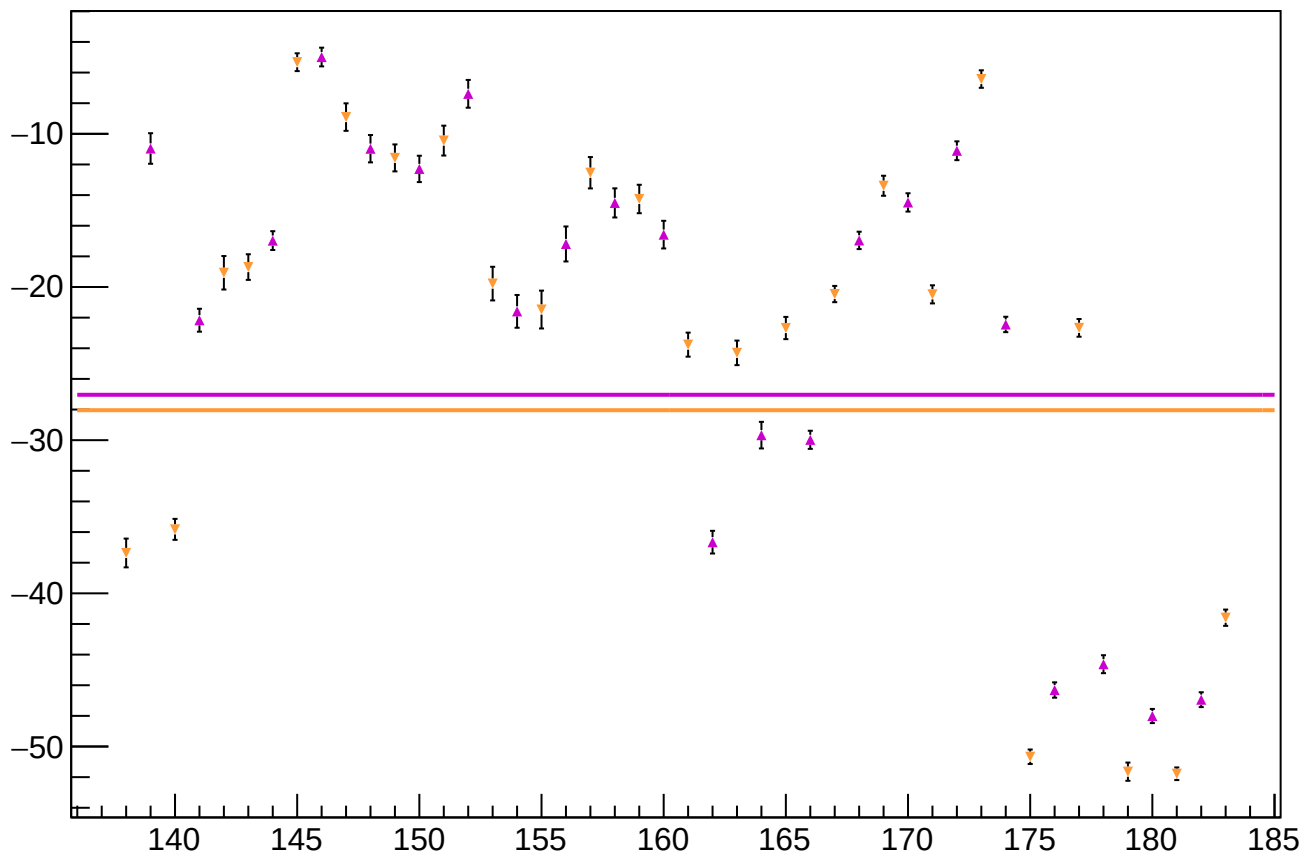
Right: -0.083 ± 0.007 χ^2/NDF : 2217.4/35

In: 0.148 ± 0.003 χ^2/NDF : 3544.5/38

Out: 0.133 ± 0.003 χ^2/NDF : 3615.6/42

All: 0.141 ± 0.002 χ^2/NDF : 7174.1/81

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -28.043+/-0.138 χ^2/NDF :13906.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -27.037+/-0.141 χ^2/NDF :11214.9/21

Left: -27.550+/-0.099 χ^2/NDF : 25147.2/45

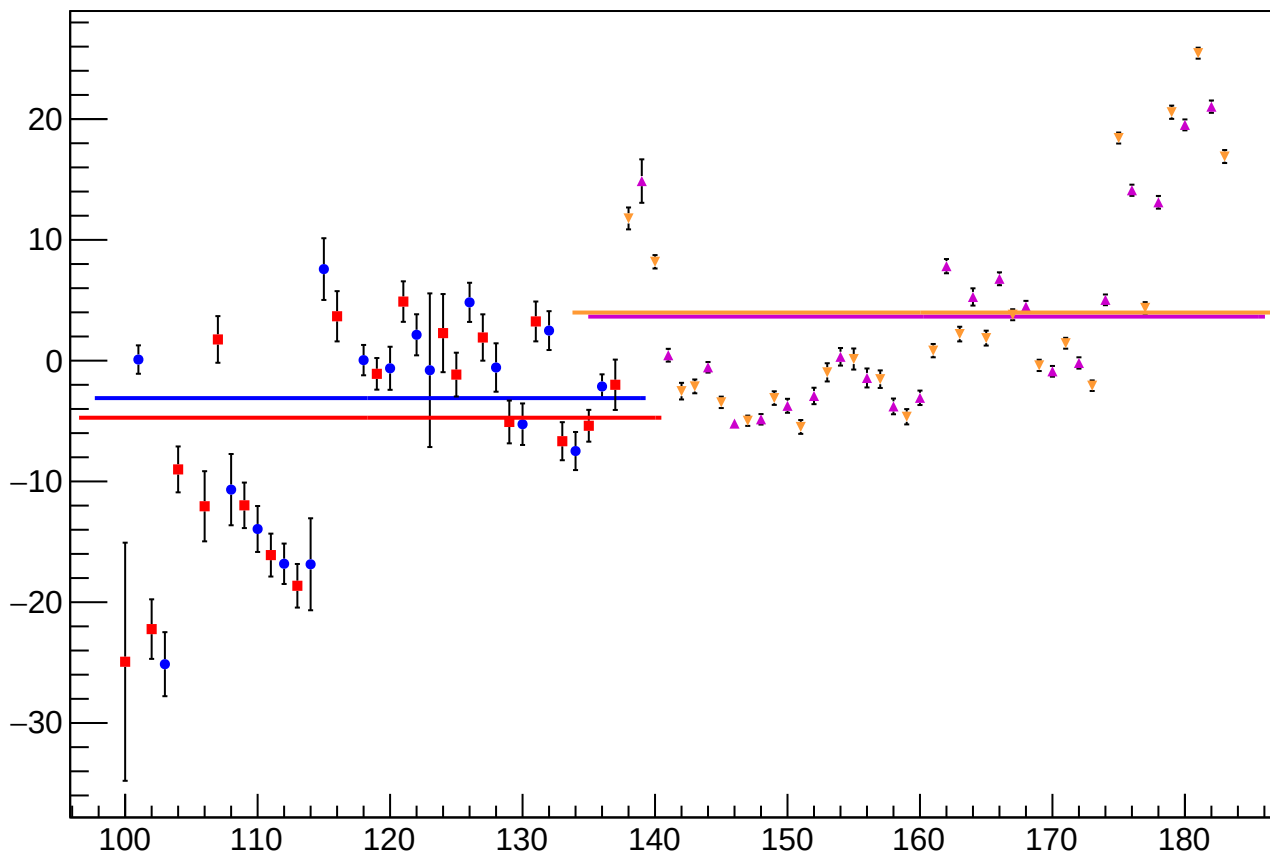
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -27.037+/-0.141 χ^2/NDF :11214.9/21

Out: -28.043+/-0.138 χ^2/NDF :13906.4/23

All: -27.550+/-0.099 χ^2/NDF : 25147.2/45

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.101 ± 0.412 $\chi^2/\text{NDF}: 278.9/16$

Left Out: 3.984 ± 0.110 $\chi^2/\text{NDF}: 6846.1/23$

Right Out: -4.725 ± 0.427 $\chi^2/\text{NDF}: 296.8/18$

Left In: 3.648 ± 0.112 $\chi^2/\text{NDF}: 5178.2/21$

Left: 3.819 ± 0.079 $\chi^2/\text{NDF}: 12028.8/45$

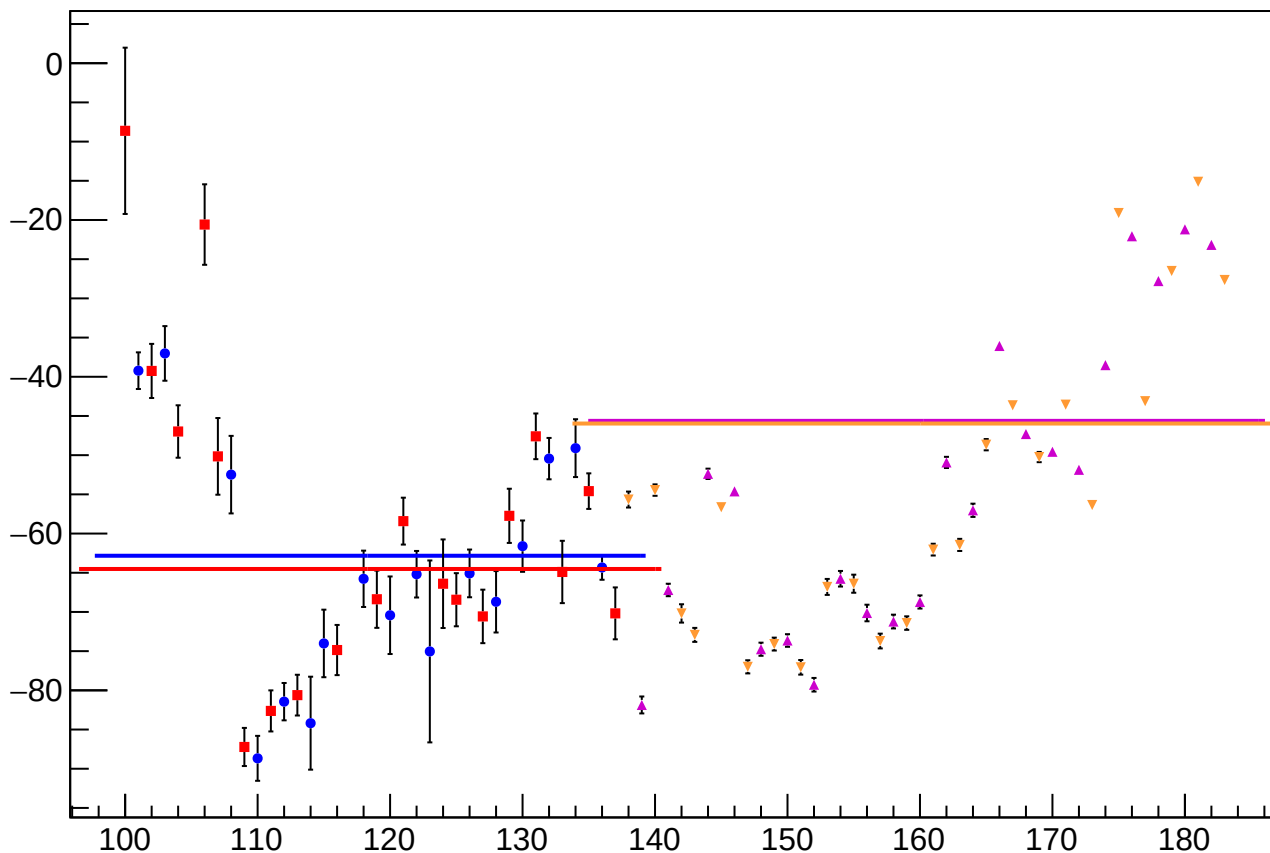
Right: -3.883 ± 0.296 $\chi^2/\text{NDF}: 583.1/35$

In: 3.182 ± 0.108 $\chi^2/\text{NDF}: 5707.3/38$

Out: 3.440 ± 0.107 $\chi^2/\text{NDF}: 7532.6/42$

All: 3.313 ± 0.076 $\chi^2/\text{NDF}: 13242.8/81$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.830 ± 0.742 $\chi^2/\text{NDF}: 367.7/16$

Left Out: -45.966 ± 0.139 $\chi^2/\text{NDF}: 19824.1/23$

Right Out: -64.518 ± 0.753 $\chi^2/\text{NDF}: 443.9/18$

Left In: -45.624 ± 0.141 $\chi^2/\text{NDF}: 17501.5/21$

Left: -45.797 ± 0.099 $\chi^2/\text{NDF}: 37328.6/45$

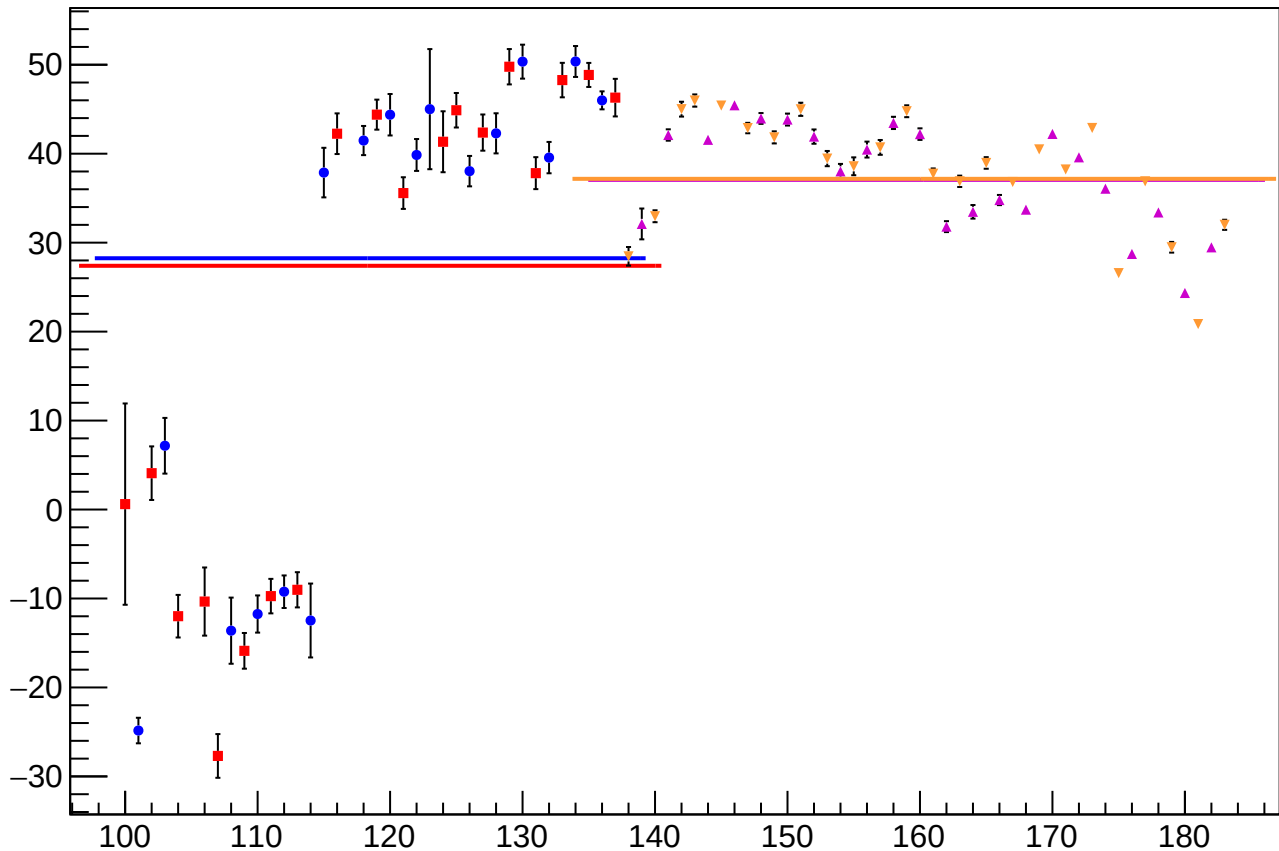
Right: -63.661 ± 0.528 $\chi^2/\text{NDF}: 814.2/35$

In: -46.227 ± 0.139 $\chi^2/\text{NDF}: 18388.4/38$

Out: -46.580 ± 0.137 $\chi^2/\text{NDF}: 20854.9/42$

All: -46.406 ± 0.098 $\chi^2/\text{NDF}: 39246.6/81$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.247 $\pm$ 0.461 χ^2 /NDF: 3310.9/16

Left Out: 37.174 $\pm$ 0.124 χ^2 /NDF:3058.5/23

Right Out: 27.400 $\pm$ 0.480 χ^2 /NDF: 3031.5/18

Left In: 37.058 $\pm$ 0.126 χ^2 /NDF:2396.4/21

Left: 37.117 $\pm$ 0.088 χ^2 /NDF: 5455.3/45

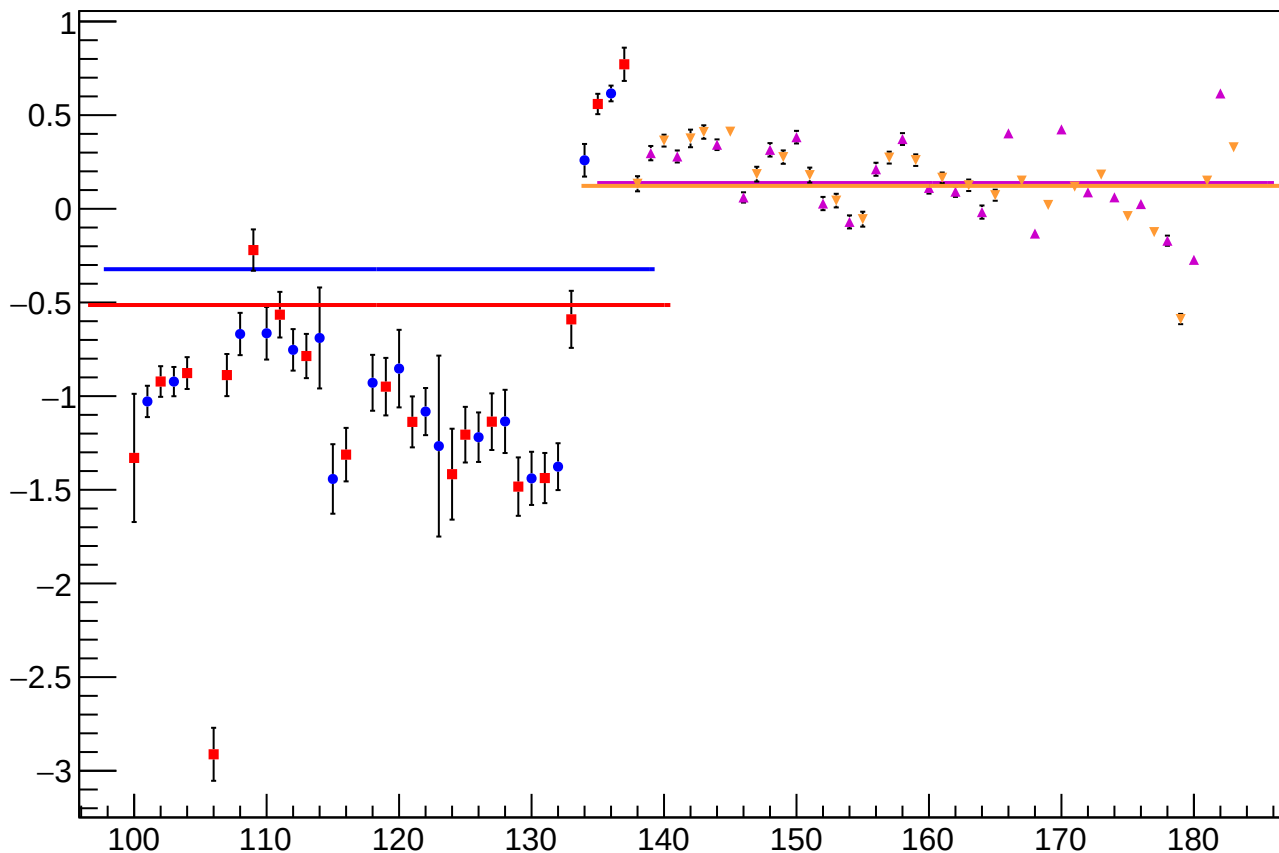
Right: 27.840 $\pm$ 0.332 χ^2 /NDF: 6344.0/35

In: 36.443 $\pm$ 0.122 χ^2 /NDF:6047.3/38

Out: 36.561 $\pm$ 0.120 χ^2 /NDF:6479.3/42

All: 36.503 $\pm$ 0.086 χ^2 /NDF: 12527.1/81

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.322 ± 0.025 $\chi^2/\text{NDF}: 1010.1/16$

Left Out: 0.122 ± 0.006 $\chi^2/\text{NDF}: 1337.7/23$

Right Out: -0.514 ± 0.026 $\chi^2/\text{NDF}: 1159.3/18$

Left In: 0.138 ± 0.006 $\chi^2/\text{NDF}: 1606.2/21$

Left: 0.130 ± 0.004 $\chi^2/\text{NDF}: 2947.4/45$

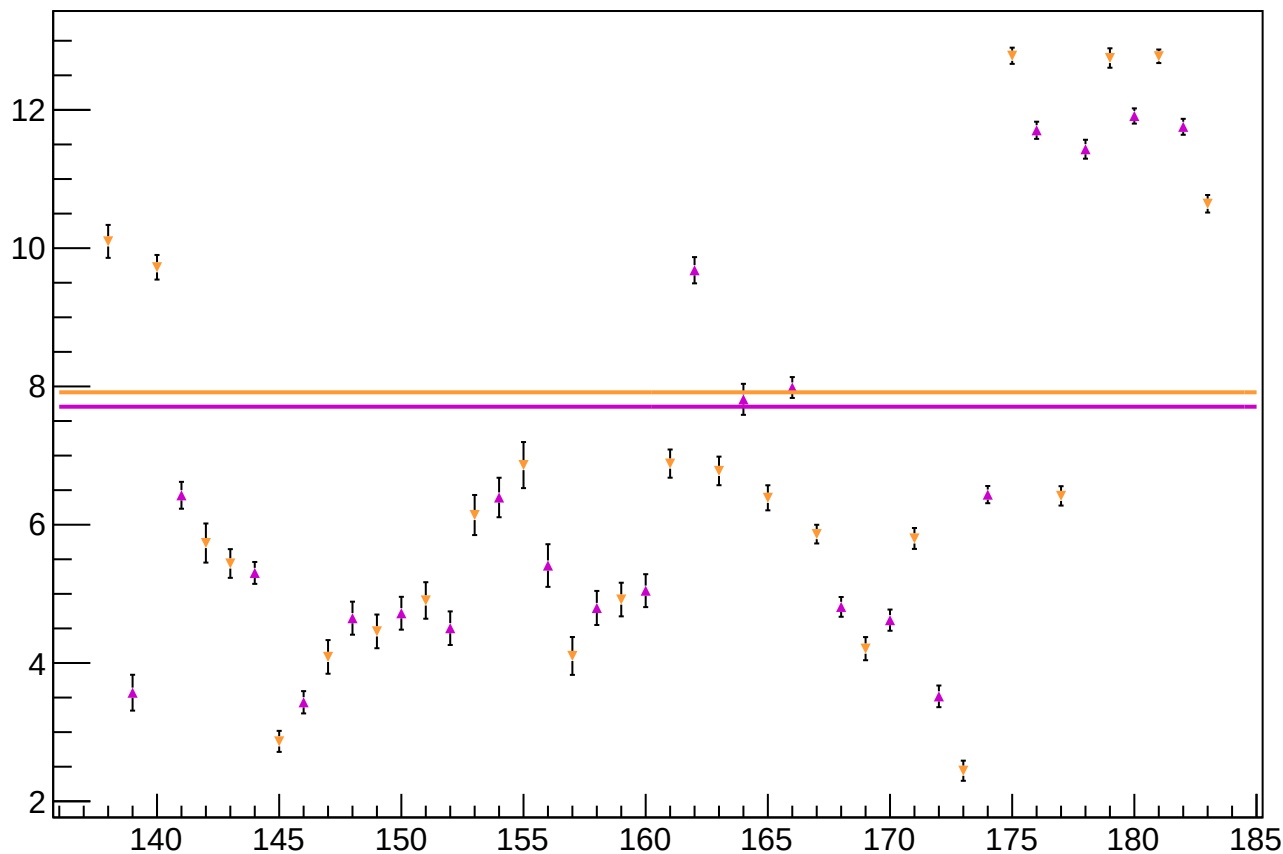
Right: -0.415 ± 0.018 $\chi^2/\text{NDF}: 2197.7/35$

In: 0.114 ± 0.006 $\chi^2/\text{NDF}: 2938.2/38$

Out: 0.093 ± 0.006 $\chi^2/\text{NDF}: 3077.0/42$

All: 0.103 ± 0.004 $\chi^2/\text{NDF}: 6022.5/81$

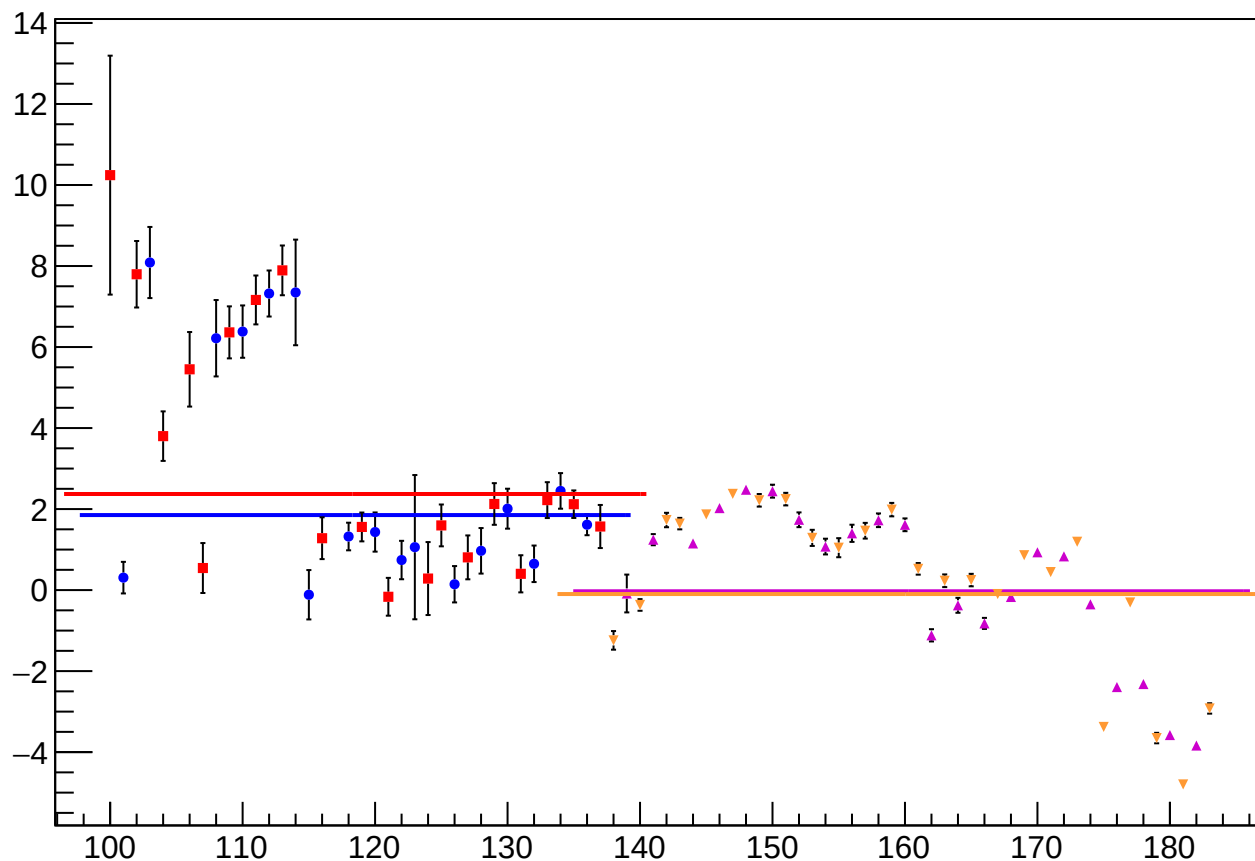
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.915+/-0.035 χ^2/NDF :10862.0/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.707+/-0.036 χ^2/NDF :8282.3/21

Left: 7.813+/-0.025 χ^2/NDF : 19161.8/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.707+/-0.036 χ^2/NDF :8282.3/21
 Out: 7.915+/-0.035 χ^2/NDF :10862.0/23
 All: 7.813+/-0.025 χ^2/NDF : 19161.8/45

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.852 ± 0.117 χ^2/NDF : 293.2/16

Left Out: -0.098 ± 0.028 χ^2/NDF : 5974.4/23

Right Out: 2.372 ± 0.123 χ^2/NDF : 335.5/18

Left In: -0.029 ± 0.029 χ^2/NDF : 4794.8/21

Left: -0.064 ± 0.020 χ^2/NDF : 10772.2/45

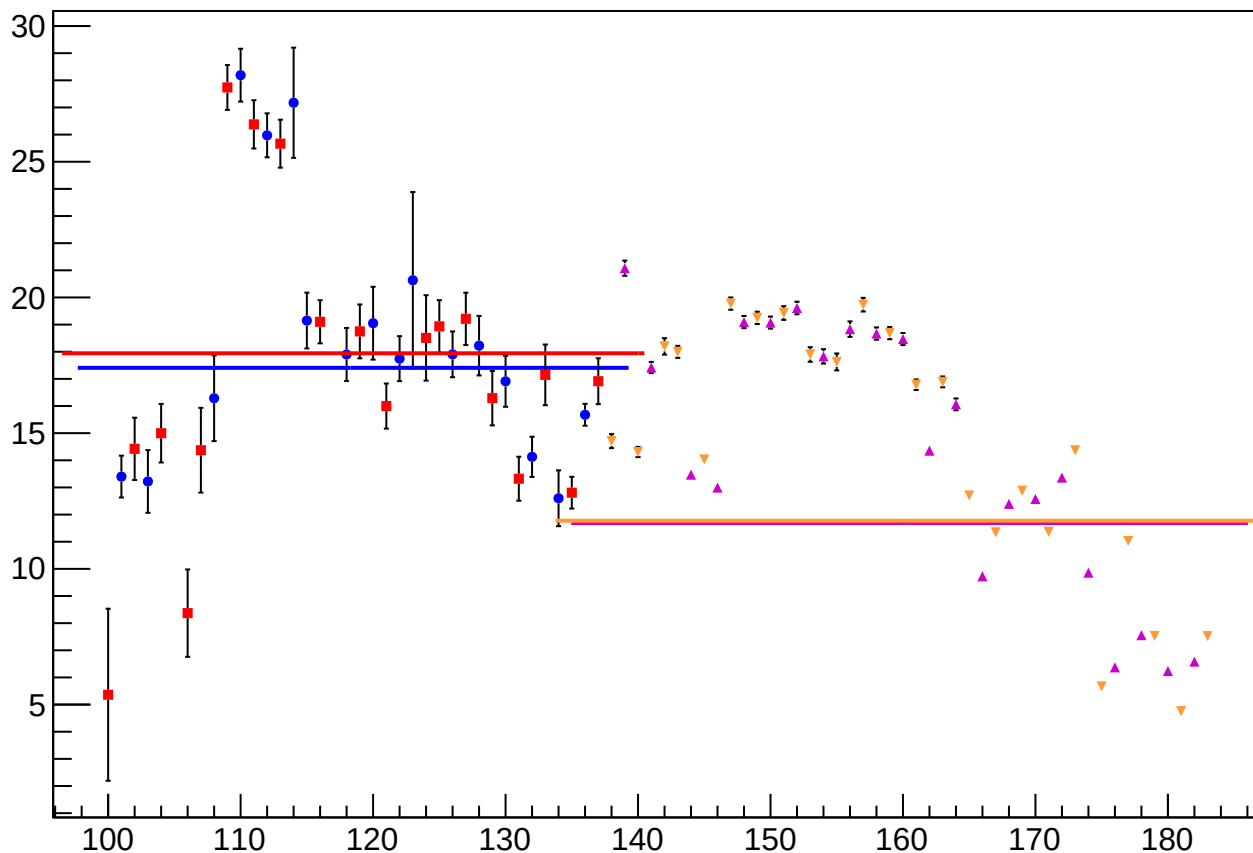
Right: 2.100 ± 0.085 χ^2/NDF : 638.2/35

In: 0.076 ± 0.028 χ^2/NDF : 5330.9/38

Out: 0.025 ± 0.027 χ^2/NDF : 6694.8/42

All: 0.050 ± 0.019 χ^2/NDF : 12027.5/81

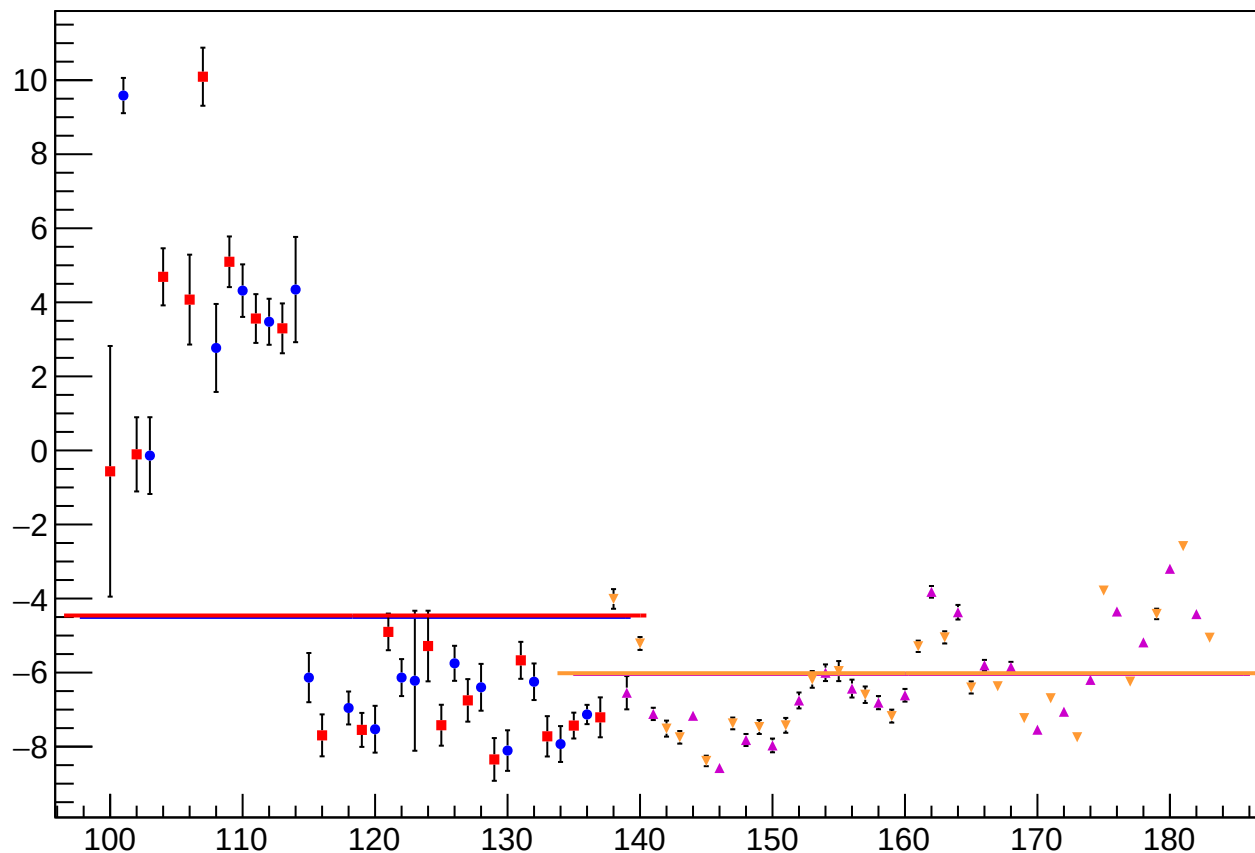
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.407 ± 0.213 $\chi^2/\text{NDF}: 365.3/16$
 Left Out: 11.775 ± 0.035 $\chi^2/\text{NDF}: 18928.7/23$
 Right Out: 17.943 ± 0.219 $\chi^2/\text{NDF}: 505.3/18$
 Left In: 11.690 ± 0.036 $\chi^2/\text{NDF}: 16681.0/21$

Left: 11.733 ± 0.025 $\chi^2/\text{NDF}: 35612.6/45$
 Right: 17.667 ± 0.153 $\chi^2/\text{NDF}: 873.7/35$
 In: 11.846 ± 0.035 $\chi^2/\text{NDF}: 17748.0/38$
 Out: 11.929 ± 0.035 $\chi^2/\text{NDF}: 20204.1/42$
 All: 11.888 ± 0.025 $\chi^2/\text{NDF}: 37955.0/81$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.497 ± 0.131 χ^2/NDF : 1582.8/16

Left Out: -6.017 ± 0.031 χ^2/NDF : 2547.2/23

Right Out: -4.458 ± 0.137 χ^2/NDF : 1340.5/18

Left In: -6.037 ± 0.032 χ^2/NDF : 2290.7/21

Left: -6.027 ± 0.022 χ^2/NDF : 4838.1/45

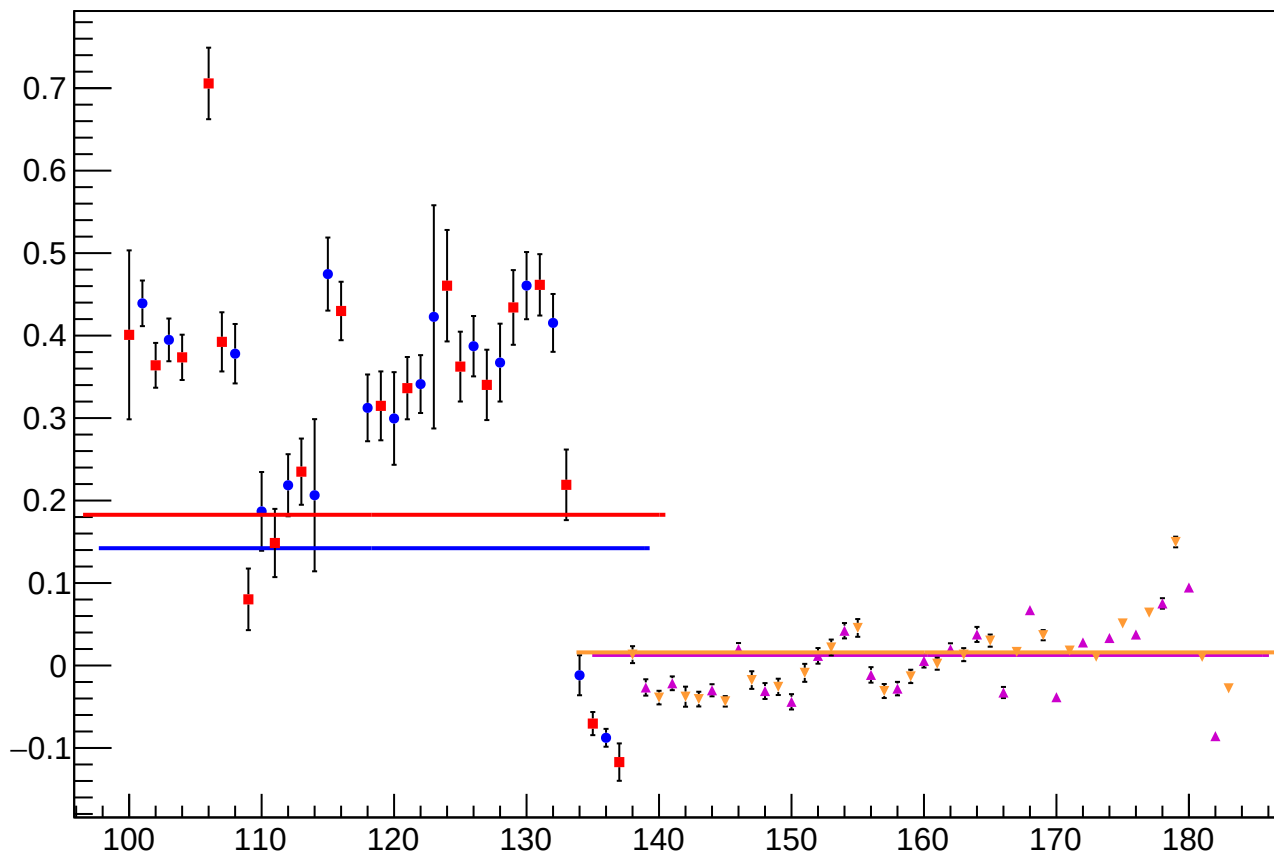
Right: -4.478 ± 0.095 χ^2/NDF : 2923.4/35

In: -5.950 ± 0.031 χ^2/NDF : 4004.8/38

Out: -5.939 ± 0.031 χ^2/NDF : 4010.3/42

All: -5.945 ± 0.022 χ^2/NDF : 8015.1/81

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1057.7/16

Left Out: 0.016 $\pm$ 0.001 χ^2 /NDF:901.4/23

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 999.1/18

Left In: 0.013 $\pm$ 0.001 χ^2 /NDF:1056.1/21

Left: 0.014 $\pm$ 0.001 χ^2 /NDF: 1959.8/45

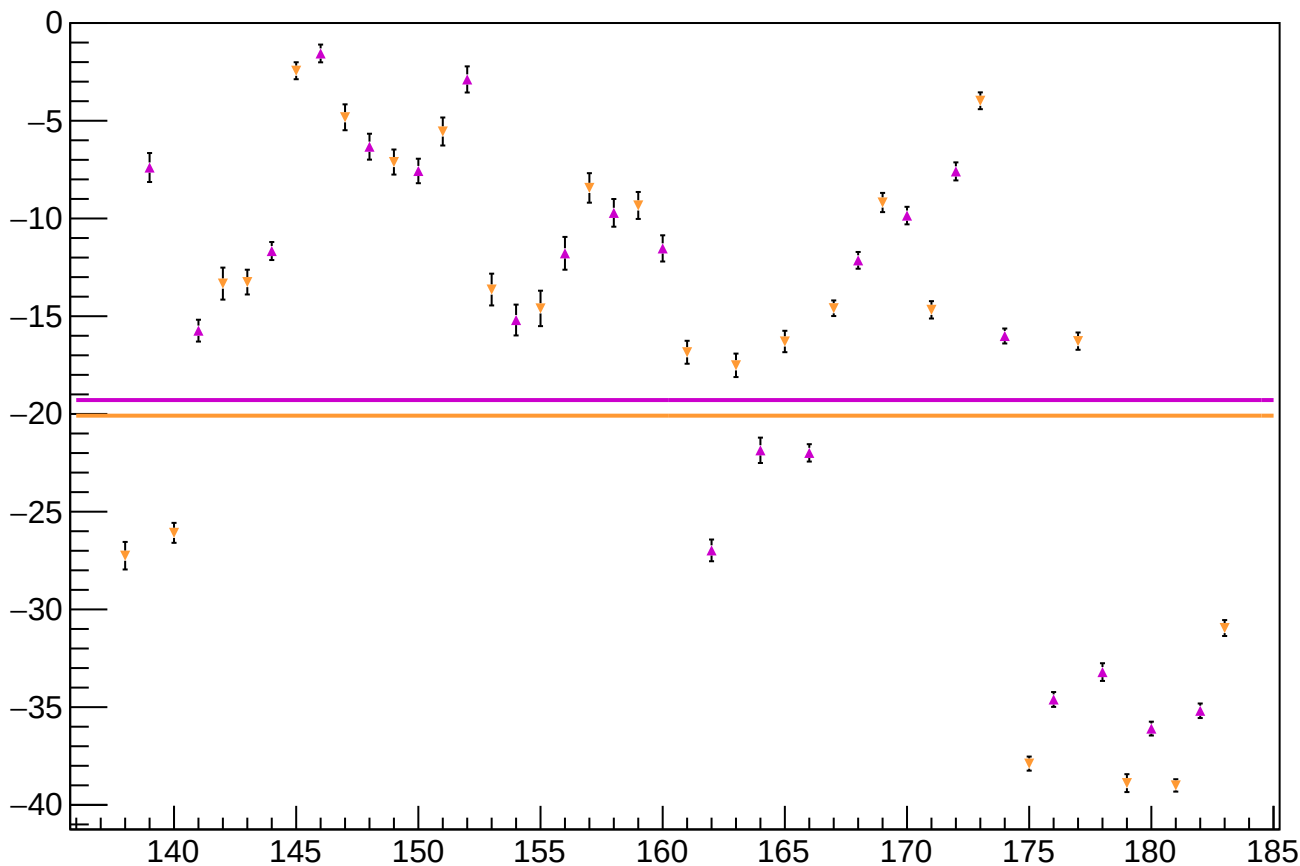
Right: 0.162 $\pm$ 0.005 χ^2 /NDF: 2072.4/35

In: 0.018 $\pm$ 0.001 χ^2 /NDF:2434.7/38

Out: 0.022 $\pm$ 0.001 χ^2 /NDF:2388.2/42

All: 0.020 $\pm$ 0.001 χ^2 /NDF: 4826.7/81

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -20.088+/-0.104 χ^2/NDF :14810.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -19.290+/-0.106 χ^2/NDF :12183.3/21

Left: -19.696+/-0.074 χ^2/NDF : 27022.6/45

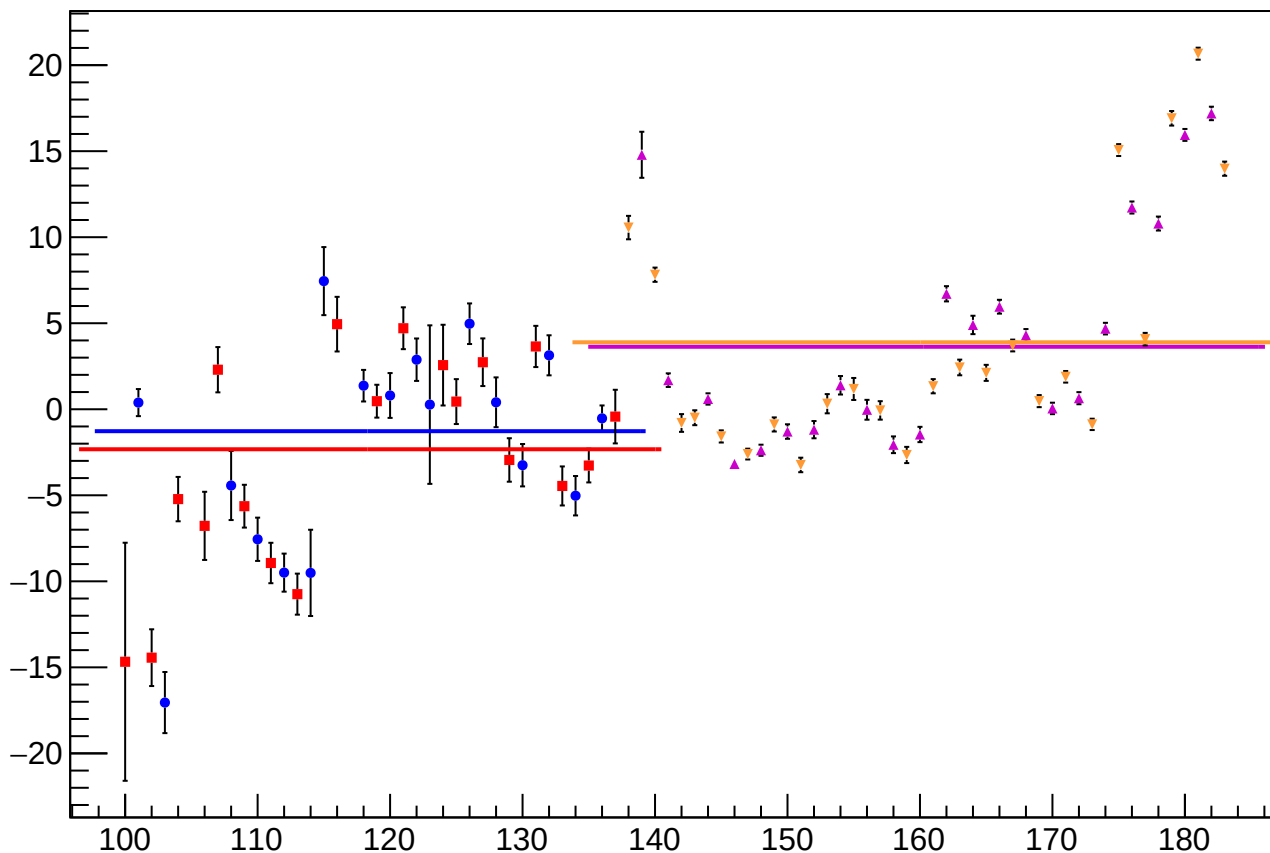
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.290+/-0.106 χ^2/NDF :12183.3/21

Out: -20.088+/-0.104 χ^2/NDF :14810.6/23

All: -19.696+/-0.074 χ^2/NDF : 27022.6/45

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.274 ± 0.293 χ^2/NDF : 276.5/16

Left Out: 3.893 ± 0.083 χ^2/NDF : 7059.1/23

Right Out: -2.325 ± 0.303 χ^2/NDF : 284.4/18

Left In: 3.632 ± 0.084 χ^2/NDF : 5253.9/21

Left: 3.765 ± 0.059 χ^2/NDF : 12317.9/45

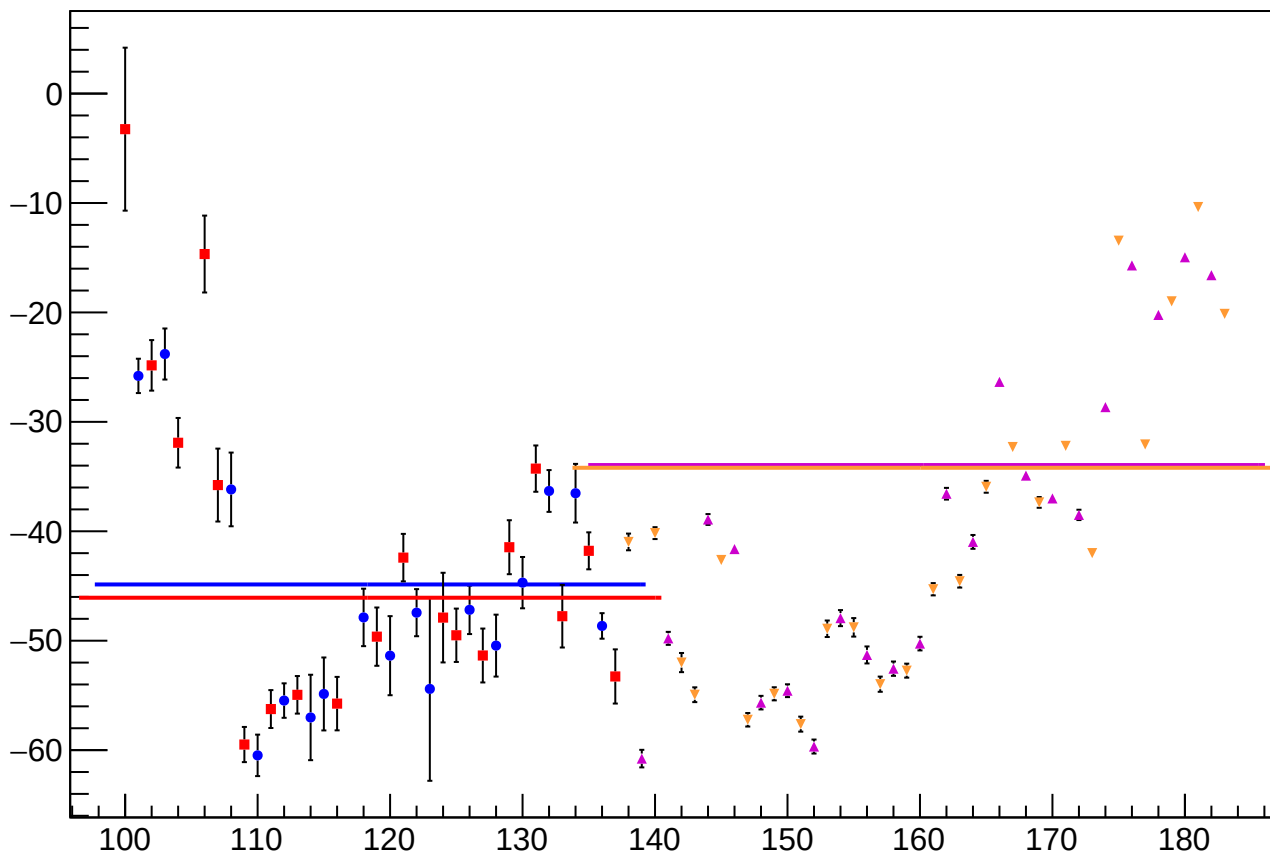
Right: -1.782 ± 0.210 χ^2/NDF : 567.2/35

In: 3.257 ± 0.081 χ^2/NDF : 5789.7/38

Out: 3.460 ± 0.080 χ^2/NDF : 7735.9/42

All: 3.360 ± 0.057 χ^2/NDF : 13528.8/81

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.859 ± 0.525 $\chi^2/\text{NDF}: 420.2/16$
 Left Out: -34.197 ± 0.105 $\chi^2/\text{NDF}: 19859.4/23$
 Right Out: -46.073 ± 0.529 $\chi^2/\text{NDF}: 453.9/18$
 Left In: -33.948 ± 0.106 $\chi^2/\text{NDF}: 17616.5/21$

Left: -34.074 ± 0.075 $\chi^2/\text{NDF}: 37478.7/45$

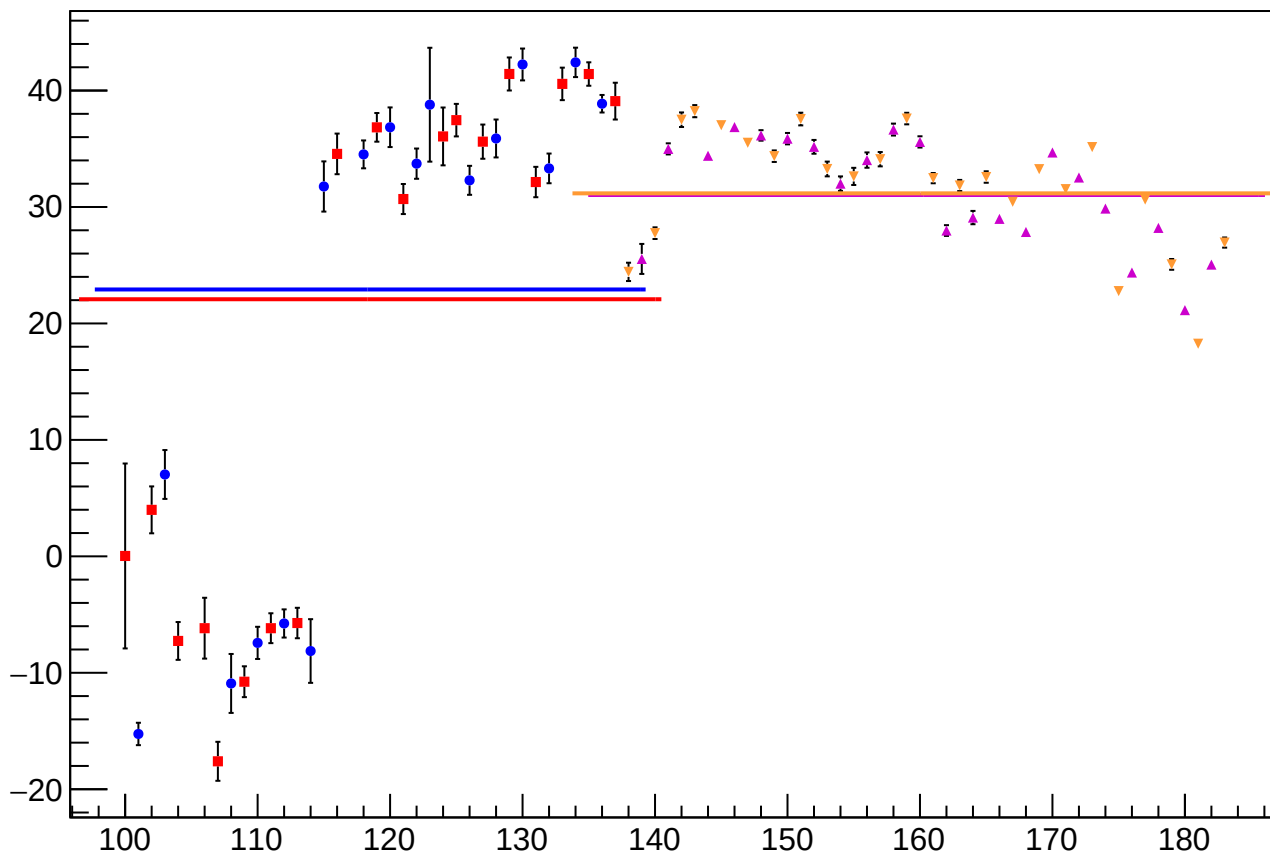
Right: -45.461 ± 0.373 $\chi^2/\text{NDF}: 876.7/35$

In: -34.378 ± 0.104 $\chi^2/\text{NDF}: 18451.4/38$

Out: -34.647 ± 0.103 $\chi^2/\text{NDF}: 20797.3/42$

All: -34.514 ± 0.073 $\chi^2/\text{NDF}: 39252.1/81$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.917 $\pm$ 0.329 χ^2 /NDF: 4317.2/16

Left Out: 31.172 $\pm$ 0.093 χ^2 /NDF:3266.6/23

Right Out: 22.078 $\pm$ 0.341 χ^2 /NDF: 4029.9/18

Left In: 31.030 $\pm$ 0.095 χ^2 /NDF:2479.5/21

Left: 31.102 $\pm$ 0.067 χ^2 /NDF: 5747.3/45

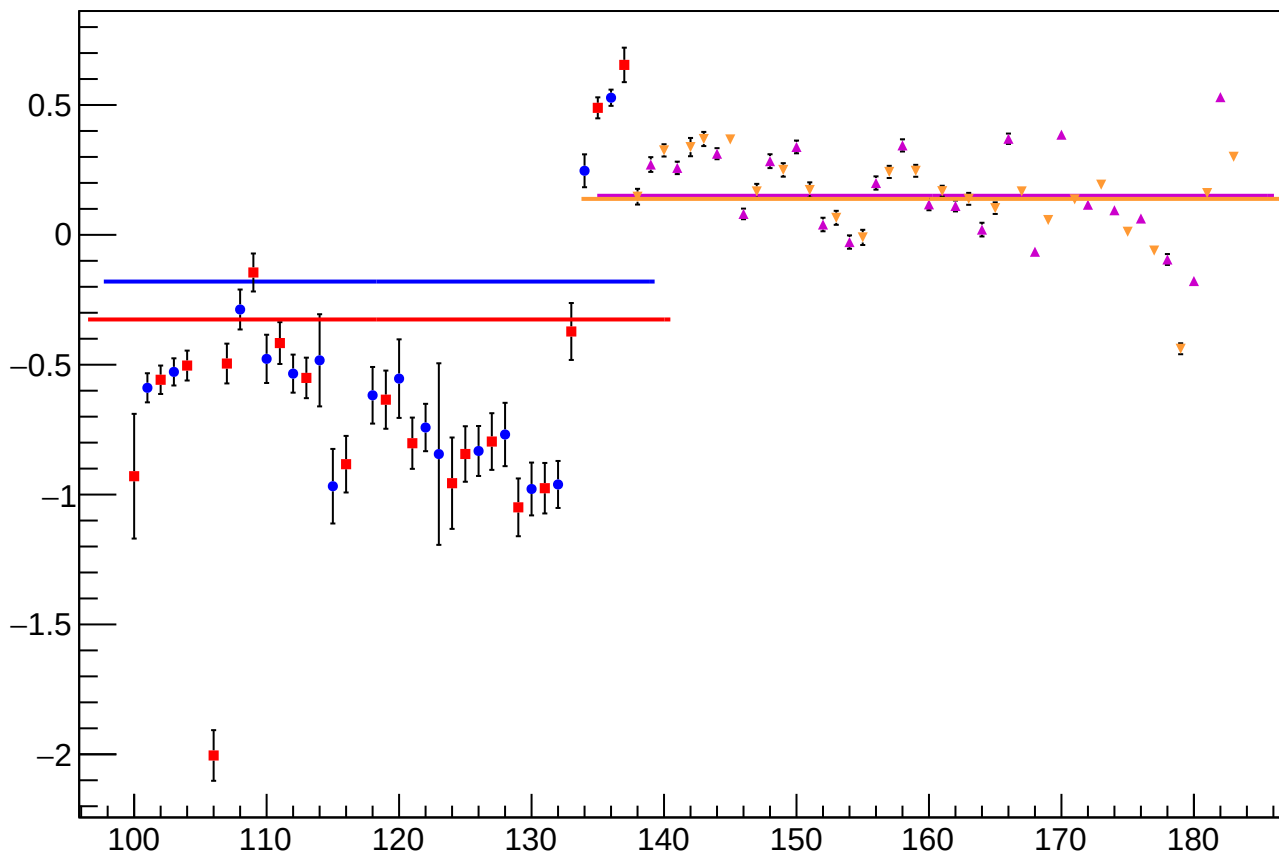
Right: 22.513 $\pm$ 0.236 χ^2 /NDF: 8350.2/35

In: 30.405 $\pm$ 0.091 χ^2 /NDF:7359.3/38

Out: 30.537 $\pm$ 0.090 χ^2 /NDF:7959.8/42

All: 30.472 $\pm$ 0.064 χ^2 /NDF: 15320.1/81

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 $\chi^2/\text{NDF}: 995.2/16$

Left Out: 0.138 ± 0.004 $\chi^2/\text{NDF}: 1480.0/23$

Right Out: -0.326 ± 0.018 $\chi^2/\text{NDF}: 1174.1/18$

Left In: 0.150 ± 0.004 $\chi^2/\text{NDF}: 1802.6/21$

Left: 0.144 ± 0.003 $\chi^2/\text{NDF}: 3286.4/45$

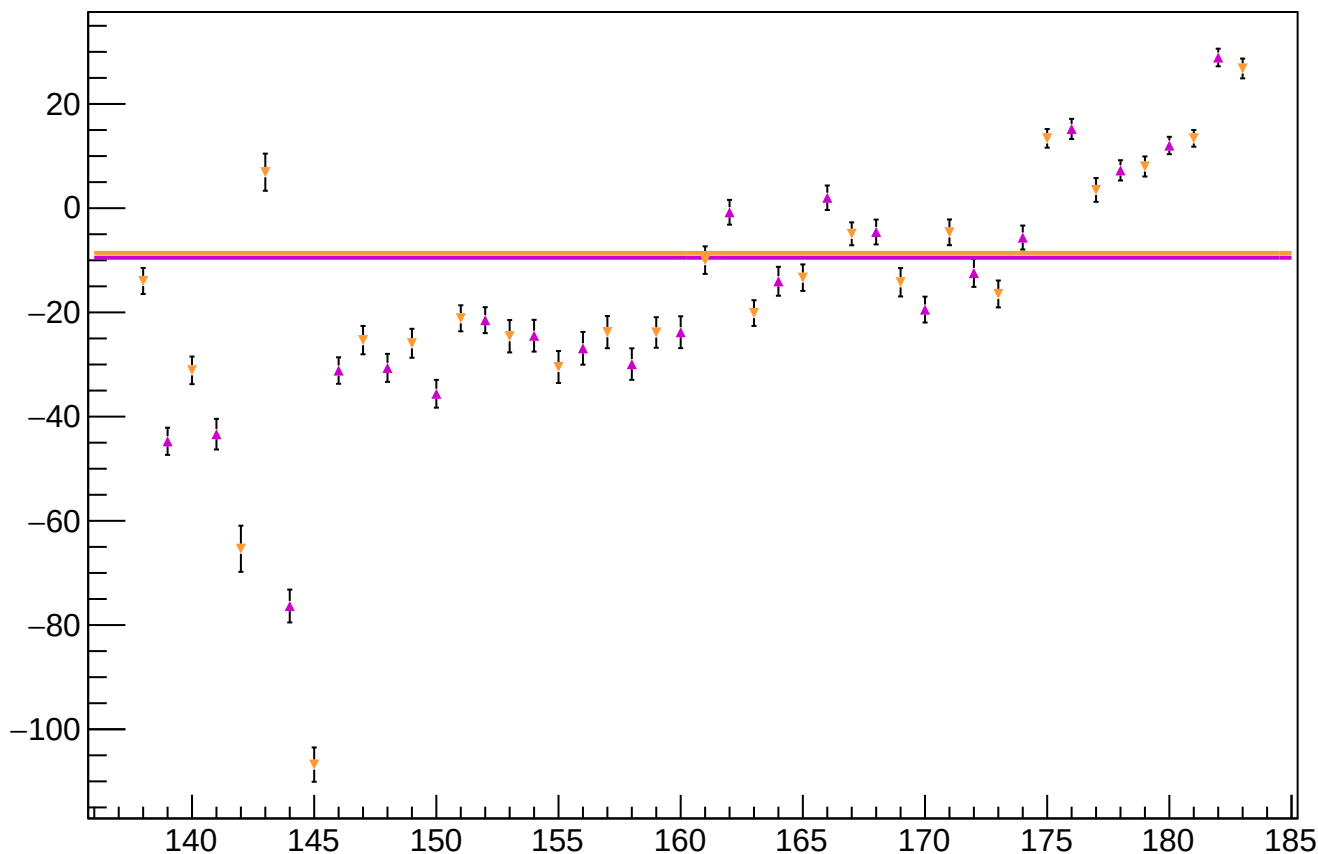
Right: -0.251 ± 0.013 $\chi^2/\text{NDF}: 2202.1/35$

In: 0.132 ± 0.004 $\chi^2/\text{NDF}: 3123.2/38$

Out: 0.114 ± 0.004 $\chi^2/\text{NDF}: 3269.4/42$

All: 0.123 ± 0.003 $\chi^2/\text{NDF}: 6401.4/81$

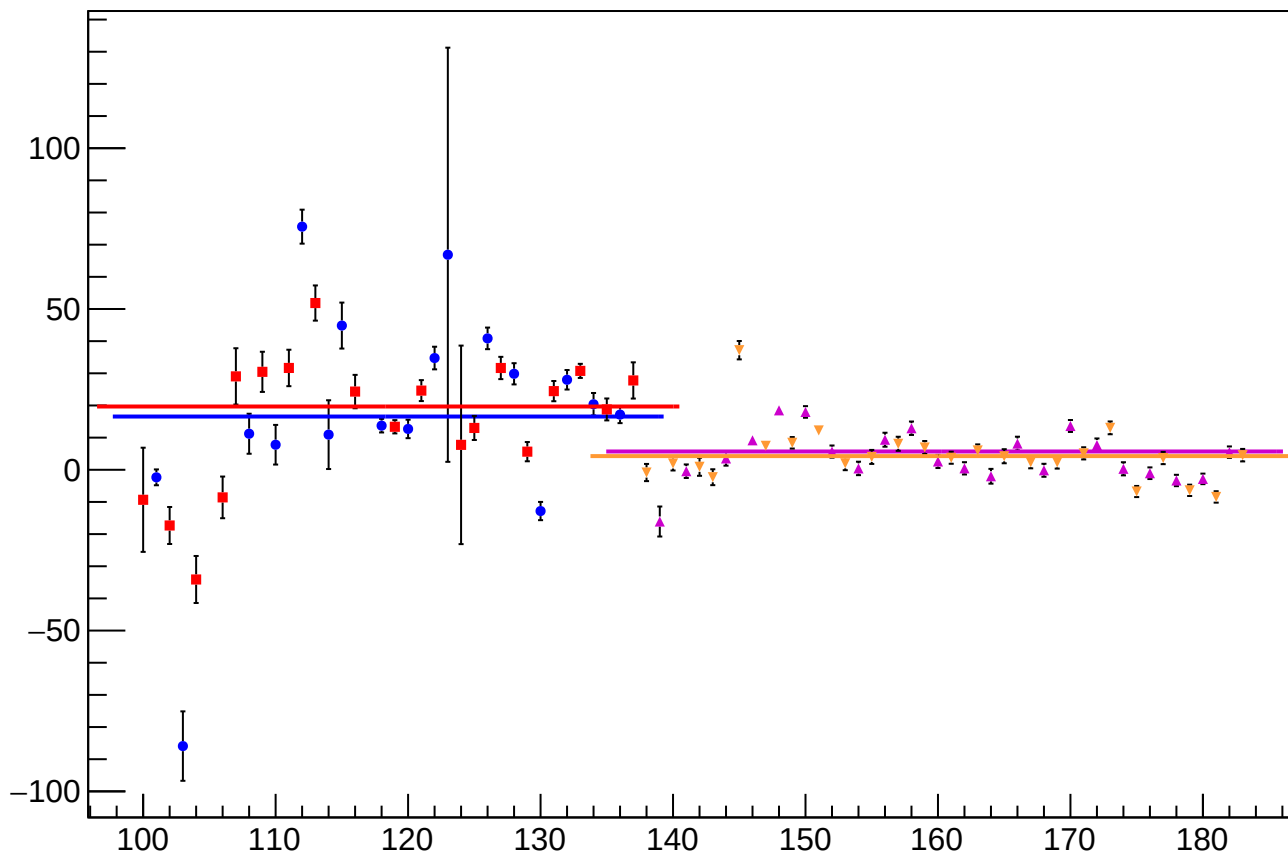
reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.581+/-0.504 χ^2/NDF :2211.8/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -9.504+/-0.514 χ^2/NDF :2124.9/21

Left: -9.033+/-0.360 χ^2/NDF : 4338.3/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -9.504+/-0.514 χ^2/NDF :2124.9/21
 Out: -8.581+/-0.504 χ^2/NDF :2211.8/23
 All: -9.033+/-0.360 χ^2/NDF : 4338.3/45

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.559 ± 0.860 $\chi^2/\text{NDF}: 514.9/16$

Left Out: 4.255 ± 0.395 $\chi^2/\text{NDF}: 345.9/23$

Right Out: 19.678 ± 0.898 $\chi^2/\text{NDF}: 240.6/18$

Left In: 5.693 ± 0.408 $\chi^2/\text{NDF}: 324.0/21$

Left: 4.950 ± 0.284 $\chi^2/\text{NDF}: 676.3/45$

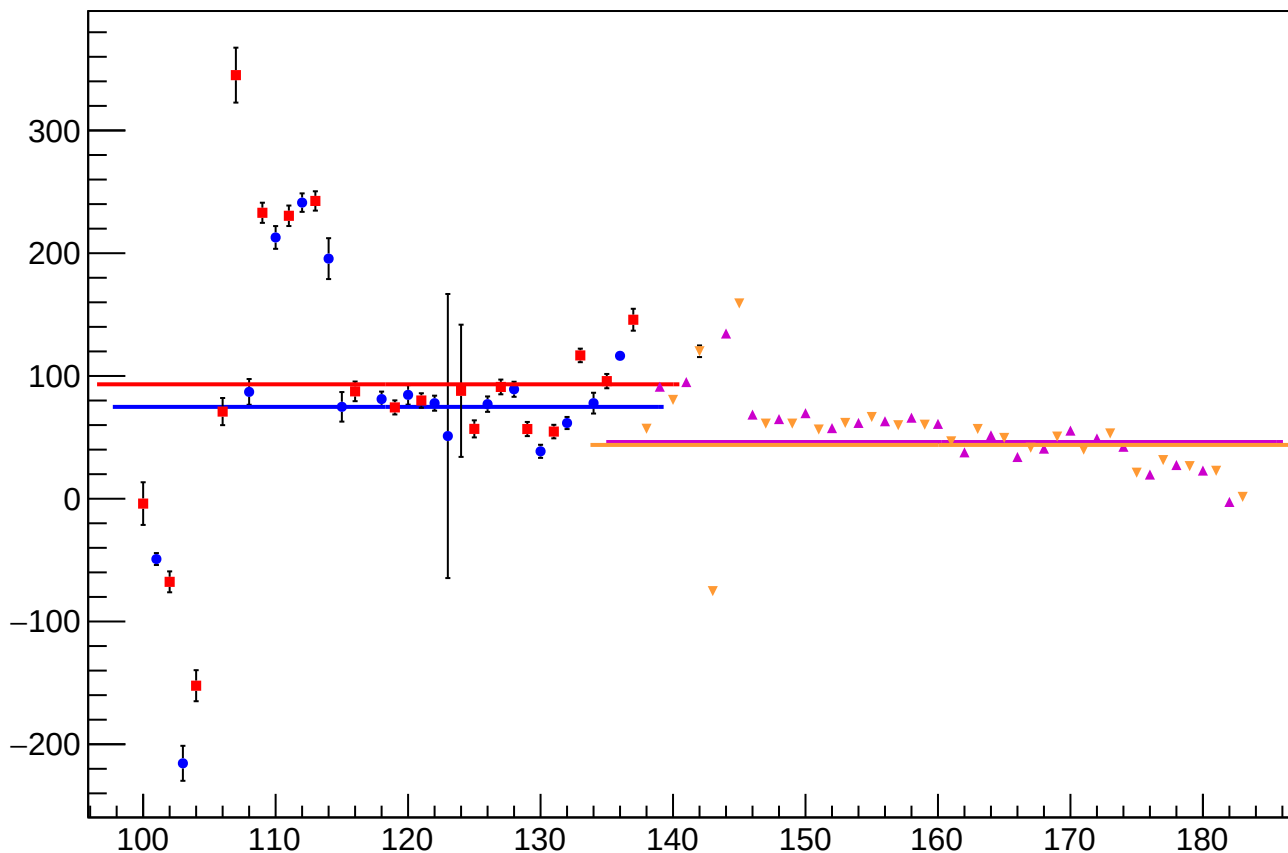
Right: 18.051 ± 0.621 $\chi^2/\text{NDF}: 761.8/35$

In: 7.688 ± 0.368 $\chi^2/\text{NDF}: 969.3/38$

Out: 6.753 ± 0.361 $\chi^2/\text{NDF}: 833.8/42$

All: 7.211 ± 0.258 $\chi^2/\text{NDF}: 1806.4/81$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 74.816+/-1.649 χ^2/NDF : 1994.3/16

Left Out: 43.833+/-0.502 χ^2/NDF : 3805.9/23

Right Out: 93.209+/-1.715 χ^2/NDF : 2001.2/18

Left In: 46.202+/-0.511 χ^2/NDF : 2899.2/21

Left: 44.998+/-0.358 χ^2/NDF : 6716.0/45

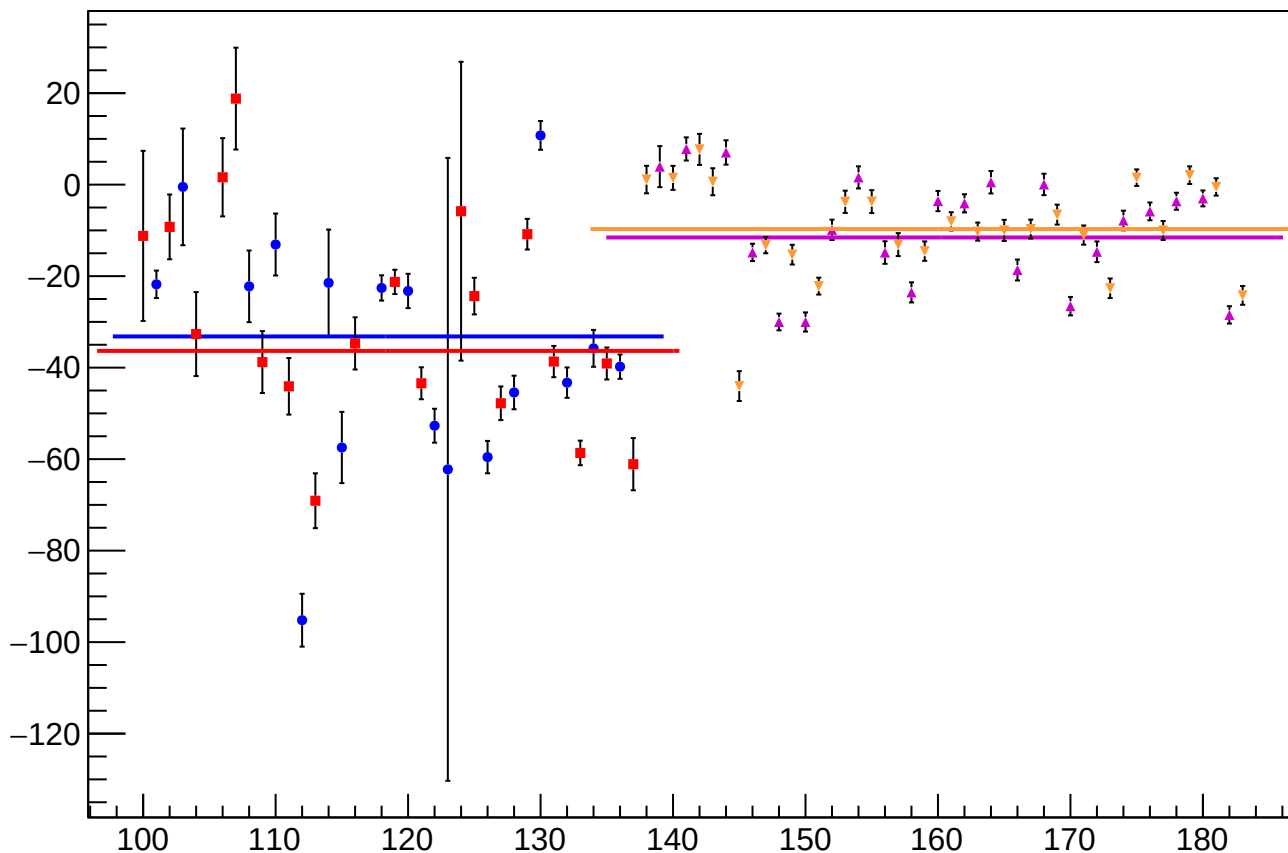
Right: 83.653+/-1.189 χ^2/NDF : 4055.2/35

In: 48.706+/-0.488 χ^2/NDF : 5168.1/38

Out: 47.733+/-0.482 χ^2/NDF : 6570.4/42

All: 48.213+/-0.343 χ^2/NDF : 11740.5/81

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.182 ± 0.984 χ^2/NDF : 485.4/16

Left Out: -9.698 ± 0.448 χ^2/NDF : 444.9/23

Right Out: -36.341 ± 1.026 χ^2/NDF : 295.1/18

Left In: -11.546 ± 0.461 χ^2/NDF : 640.1/21

Left: -10.595 ± 0.321 χ^2/NDF : 1093.3/45

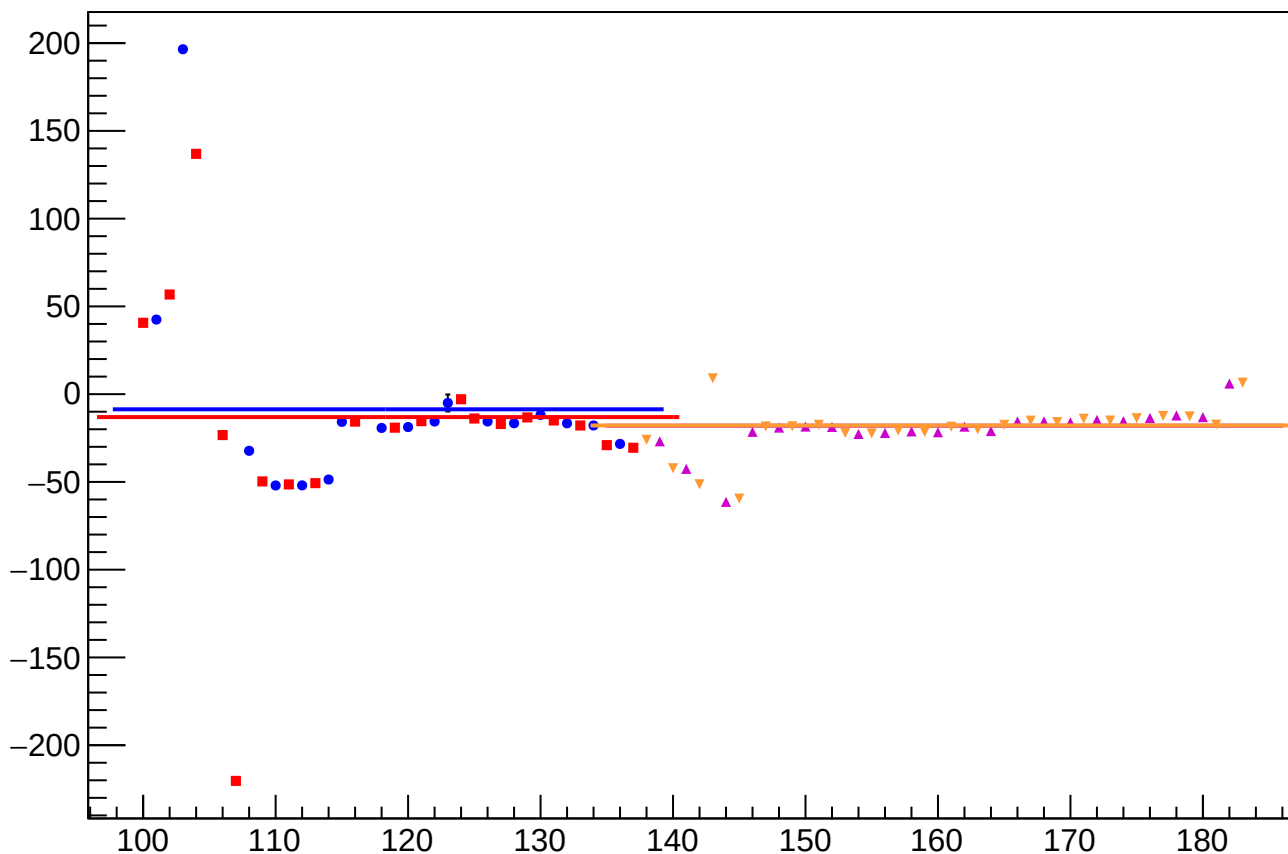
Right: -34.695 ± 0.710 χ^2/NDF : 785.4/35

In: -15.437 ± 0.417 χ^2/NDF : 1522.4/38

Out: -13.955 ± 0.410 χ^2/NDF : 1306.4/42

All: -14.684 ± 0.292 χ^2/NDF : 2835.1/81

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.630 ± 0.059 $\chi^2/\text{NDF}: 575559.8/16$

Left Out: -17.837 ± 0.021 $\chi^2/\text{NDF}: 295681.7/23$

Right Out: -13.064 ± 0.062 $\chi^2/\text{NDF}: 558310.5/18$

Left In: -17.989 ± 0.021 $\chi^2/\text{NDF}: 233287.0/21$

Left: -17.912 ± 0.015 $\chi^2/\text{NDF}: 528995.4/45$

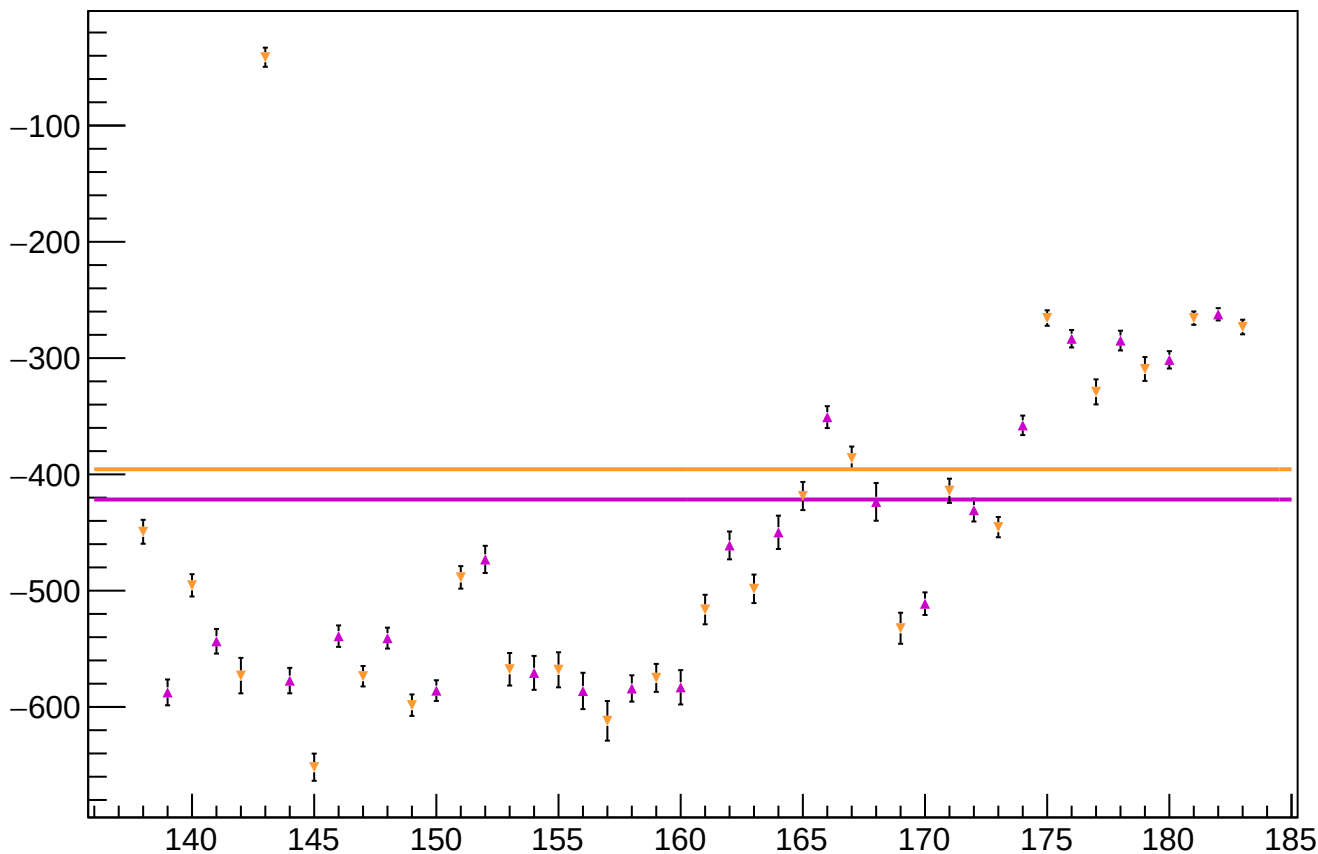
Right: -10.746 ± 0.043 $\chi^2/\text{NDF}: 1136551.9/35$

In: -16.949 ± 0.020 $\chi^2/\text{NDF}: 831103.1/38$

Out: -17.361 ± 0.020 $\chi^2/\text{NDF}: 859339.8/42$

All: -17.157 ± 0.014 $\chi^2/\text{NDF}: 1690662.4/81$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -395.581+/-1.977 χ^2/NDF :5946.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -421.610+/-2.050 χ^2/NDF :3774.6/21

Left: -408.124+/-1.423 χ^2/NDF : 9804.7/45

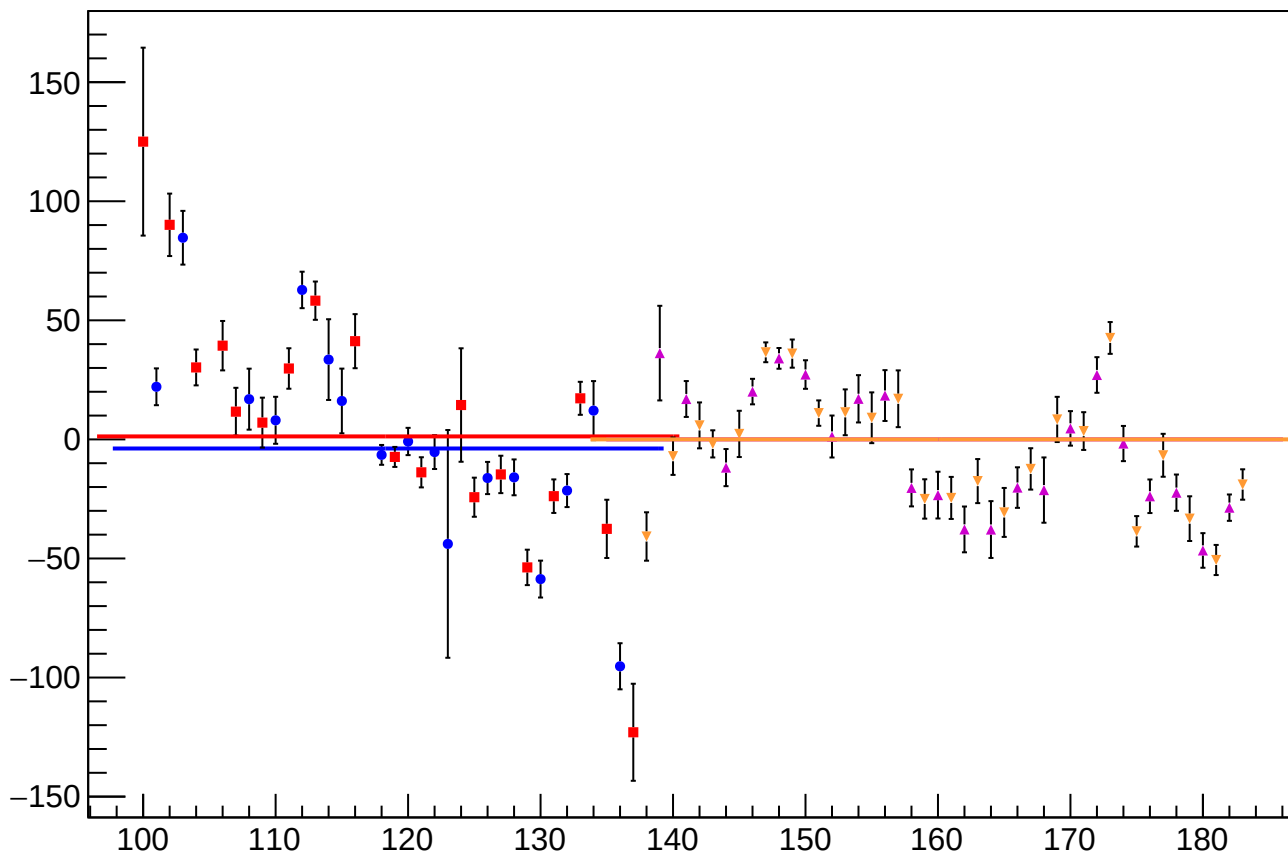
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -421.610+/-2.050 χ^2/NDF :3774.6/21

Out: -395.581+/-1.977 χ^2/NDF :5946.5/23

All: -408.124+/-1.423 χ^2/NDF : 9804.7/45

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.821 ± 1.927 χ^2/NDF : 314.4/16

Left Out: 0.009 ± 1.516 χ^2/NDF : 335.8/23

Right Out: 1.253 ± 1.917 χ^2/NDF : 303.3/18

Left In: 0.010 ± 1.597 χ^2/NDF : 260.2/21

Left: 0.009 ± 1.100 χ^2/NDF : 595.9/45

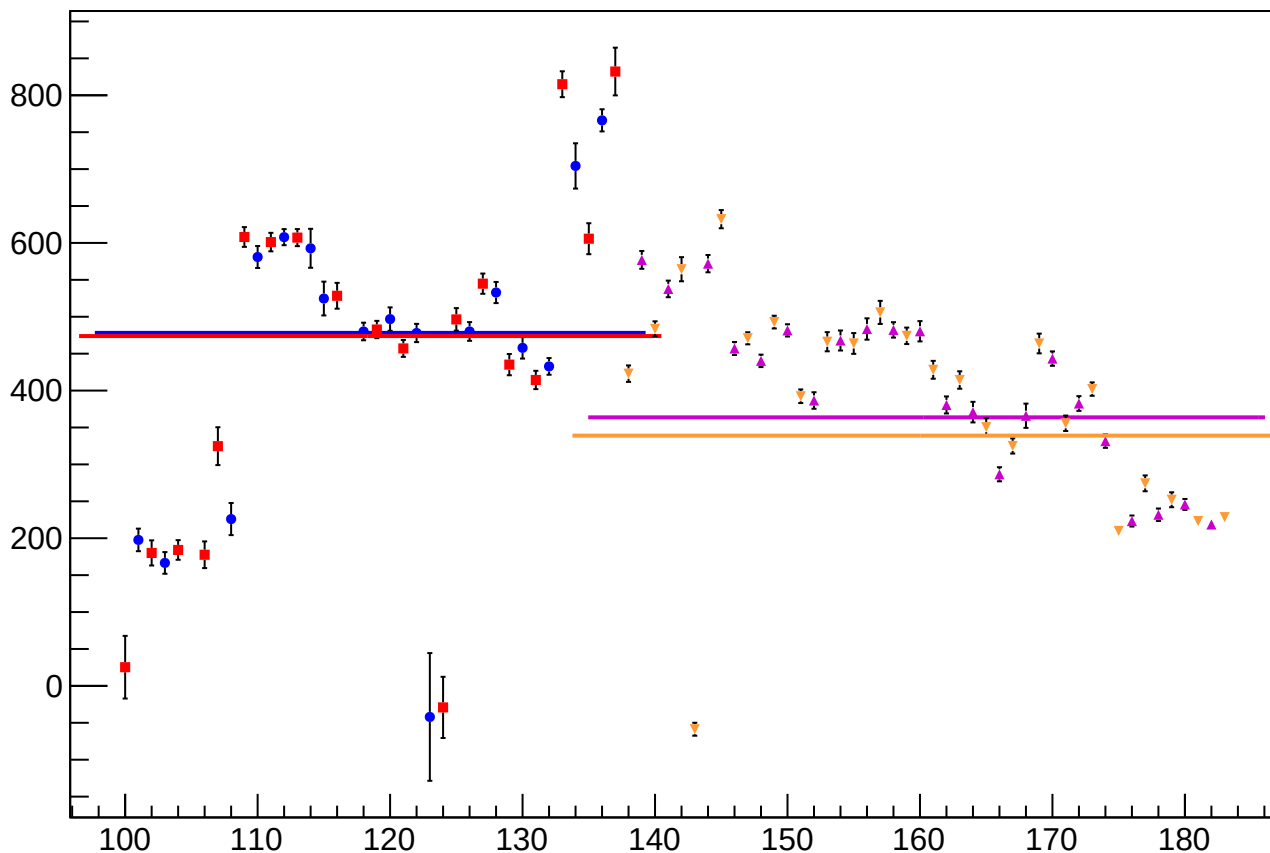
Right: -1.271 ± 1.359 χ^2/NDF : 621.2/35

In: -1.551 ± 1.230 χ^2/NDF : 576.9/38

Out: 0.487 ± 1.189 χ^2/NDF : 639.3/42

All: -0.498 ± 0.855 χ^2/NDF : 1217.6/81

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.121 $\pm$ 3.670 χ^2 /NDF: 1627.6/16

Left Out: 338.992 $\pm$ 1.984 χ^2 /NDF: 5500.9/23

Right Out: 473.847 $\pm$ 3.538 χ^2 /NDF: 2285.5/18

Left In: 363.721 $\pm$ 2.044 χ^2 /NDF: 3296.4/21

Left: 350.990 $\pm$ 1.423 χ^2 /NDF: 8872.7/45

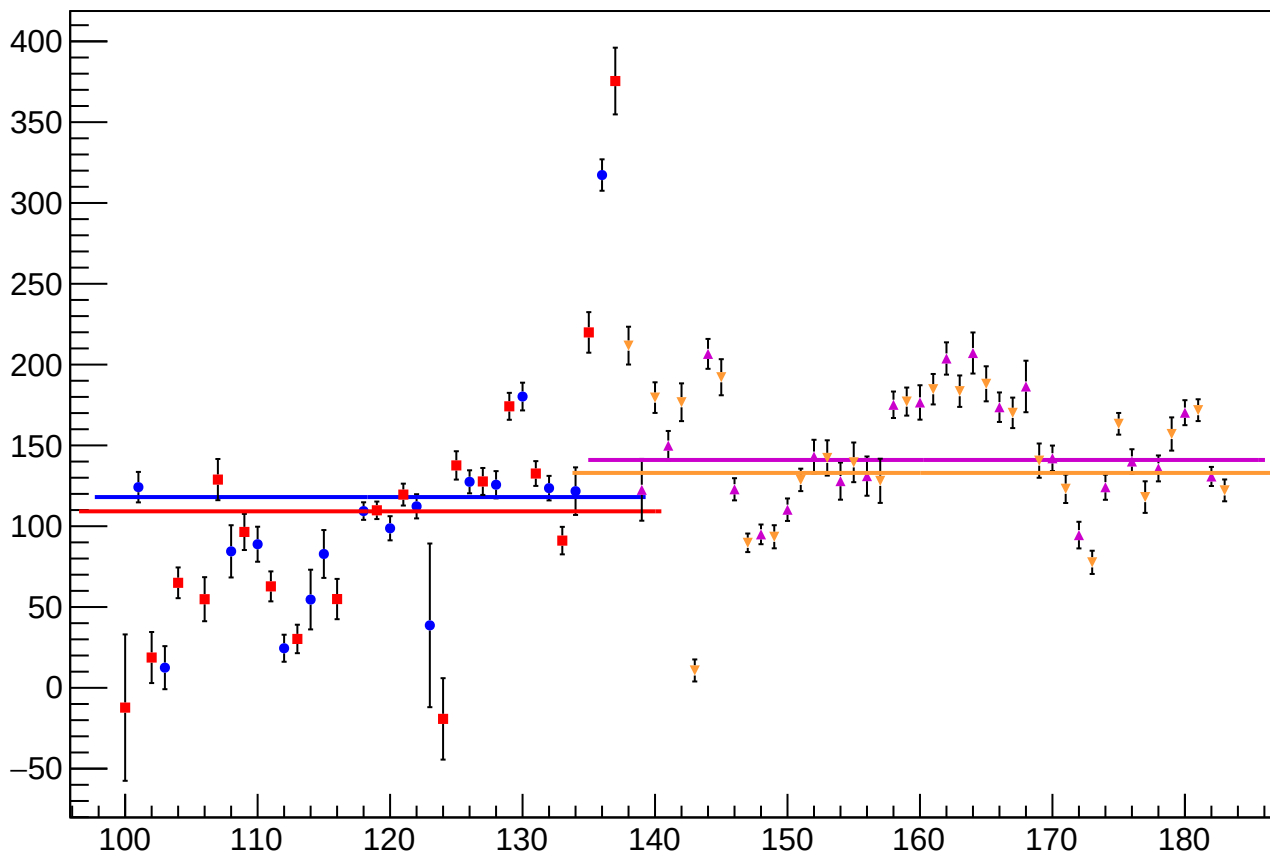
Right: 475.905 $\pm$ 2.547 χ^2 /NDF: 3913.8/35

In: 390.791 $\pm$ 1.785 χ^2 /NDF: 5665.6/38

Out: 371.254 $\pm$ 1.730 χ^2 /NDF: 8891.9/42

All: 380.717 $\pm$ 1.243 χ^2 /NDF: 14619.2/81

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.036 $\pm$ 2.231 χ^2 /NDF: 705.1/16

Left Out: 132.979 $\pm$ 1.745 χ^2 /NDF: 771.5/23

Right Out: 109.208 $\pm$ 2.209 χ^2 /NDF: 568.1/18

Left In: 140.994 $\pm$ 1.824 χ^2 /NDF: 308.3/21

Left: 136.810 $\pm$ 1.261 χ^2 /NDF: 1089.9/45

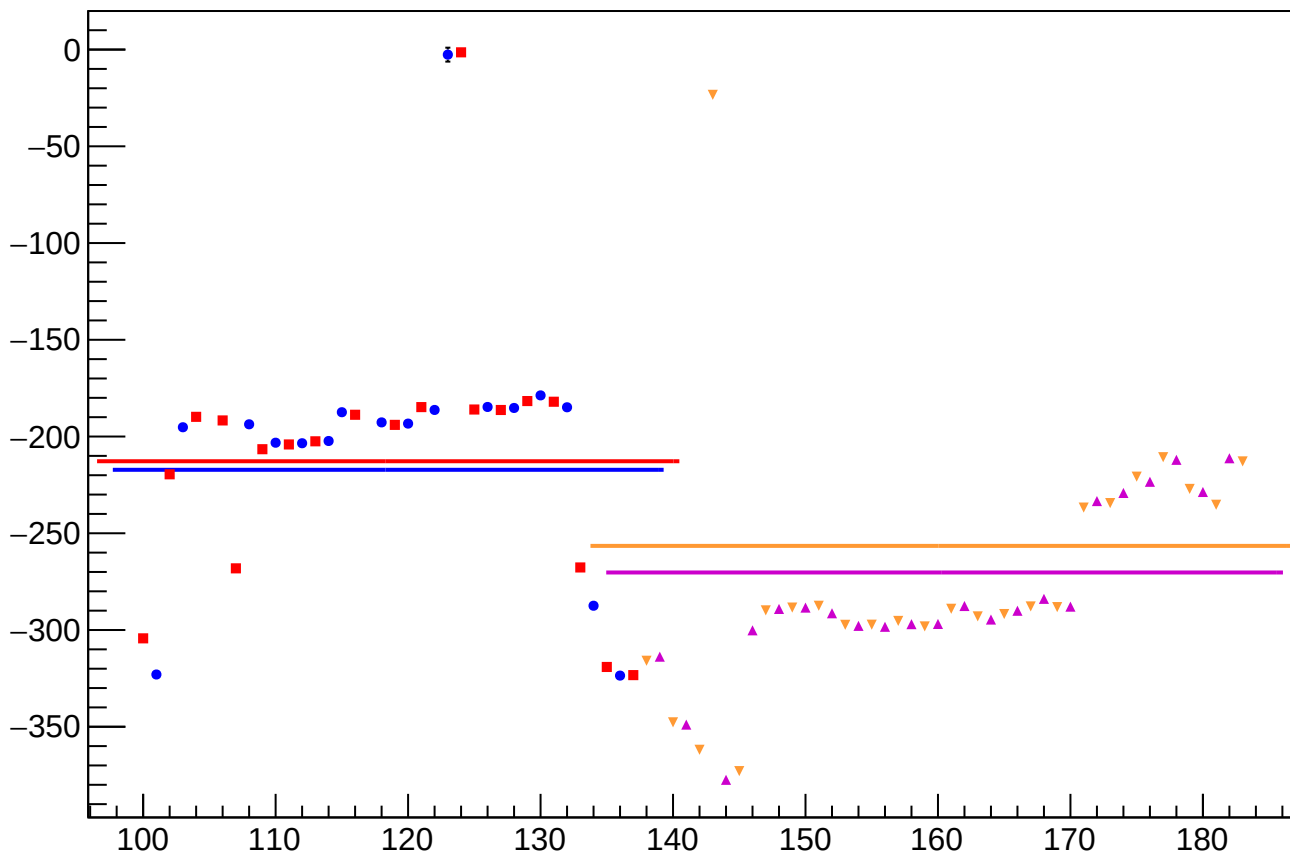
Right: 113.580 $\pm$ 1.570 χ^2 /NDF: 1281.1/35

In: 131.795 $\pm$ 1.412 χ^2 /NDF: 1076.8/38

Out: 123.846 $\pm$ 1.369 χ^2 /NDF: 1411.0/42

All: 127.699 $\pm$ 0.983 χ^2 /NDF: 2504.1/81

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.198 ± 0.137 $\chi^2/\text{NDF}: 146444.6/16$

Left Out: -256.519 ± 0.083 $\chi^2/\text{NDF}: 719824.4/23$

Right Out: -212.772 ± 0.130 $\chi^2/\text{NDF}: 115507.3/18$

Left In: -270.267 ± 0.085 $\chi^2/\text{NDF}: 248277.8/21$

Left: -263.233 ± 0.060 $\chi^2/\text{NDF}: 981440.1/45$

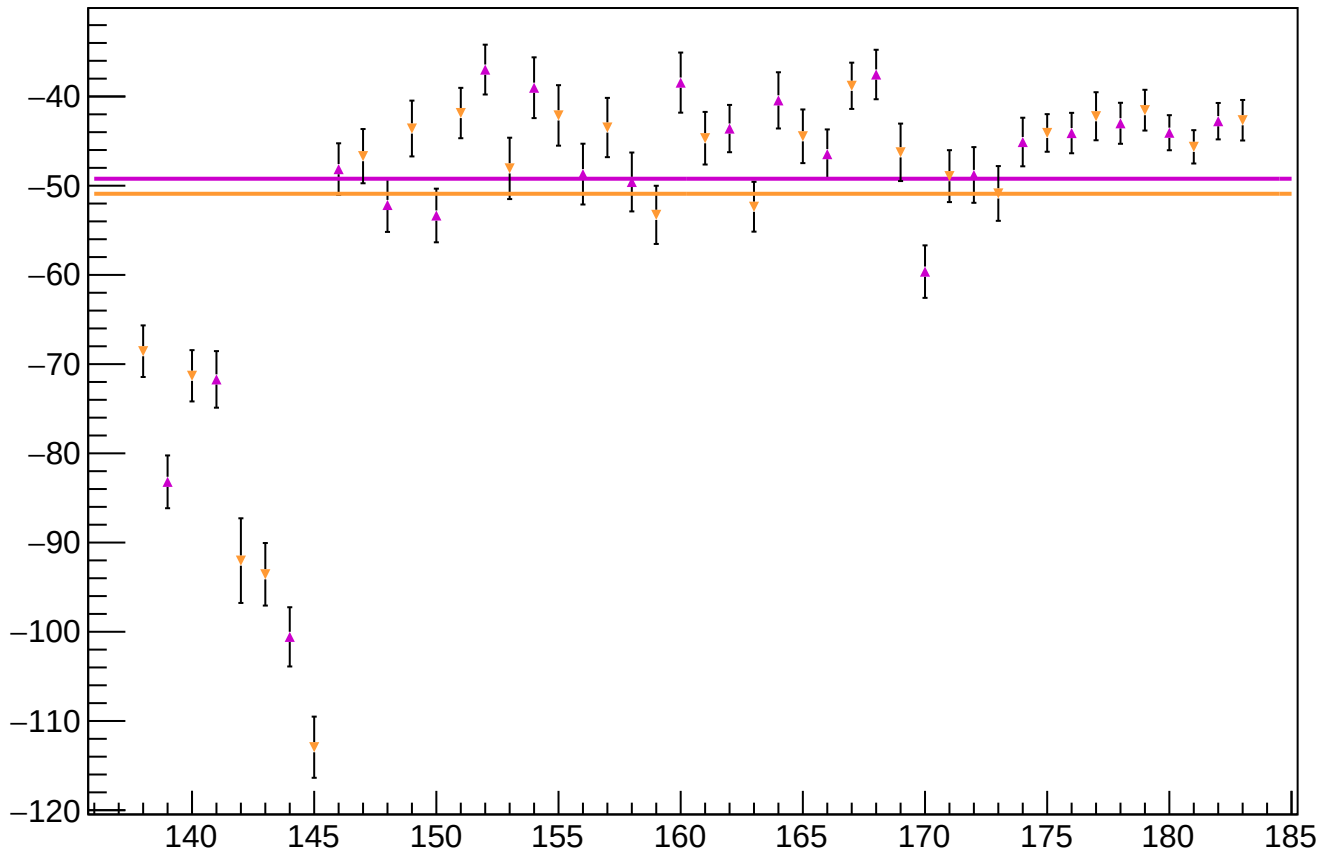
Right: -214.879 ± 0.094 $\chi^2/\text{NDF}: 262500.7/35$

In: -255.447 ± 0.072 $\chi^2/\text{NDF}: 503196.2/38$

Out: -243.859 ± 0.070 $\chi^2/\text{NDF}: 915367.5/42$

All: -249.476 ± 0.050 $\chi^2/\text{NDF}: 1431802.2/81$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -50.905 ± 0.577 $\chi^2/\text{NDF}: 761.1/23$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -49.219 ± 0.591 $\chi^2/\text{NDF}: 537.9/21$

Left: -50.082 ± 0.413 $\chi^2/\text{NDF}: 1303.2/45$

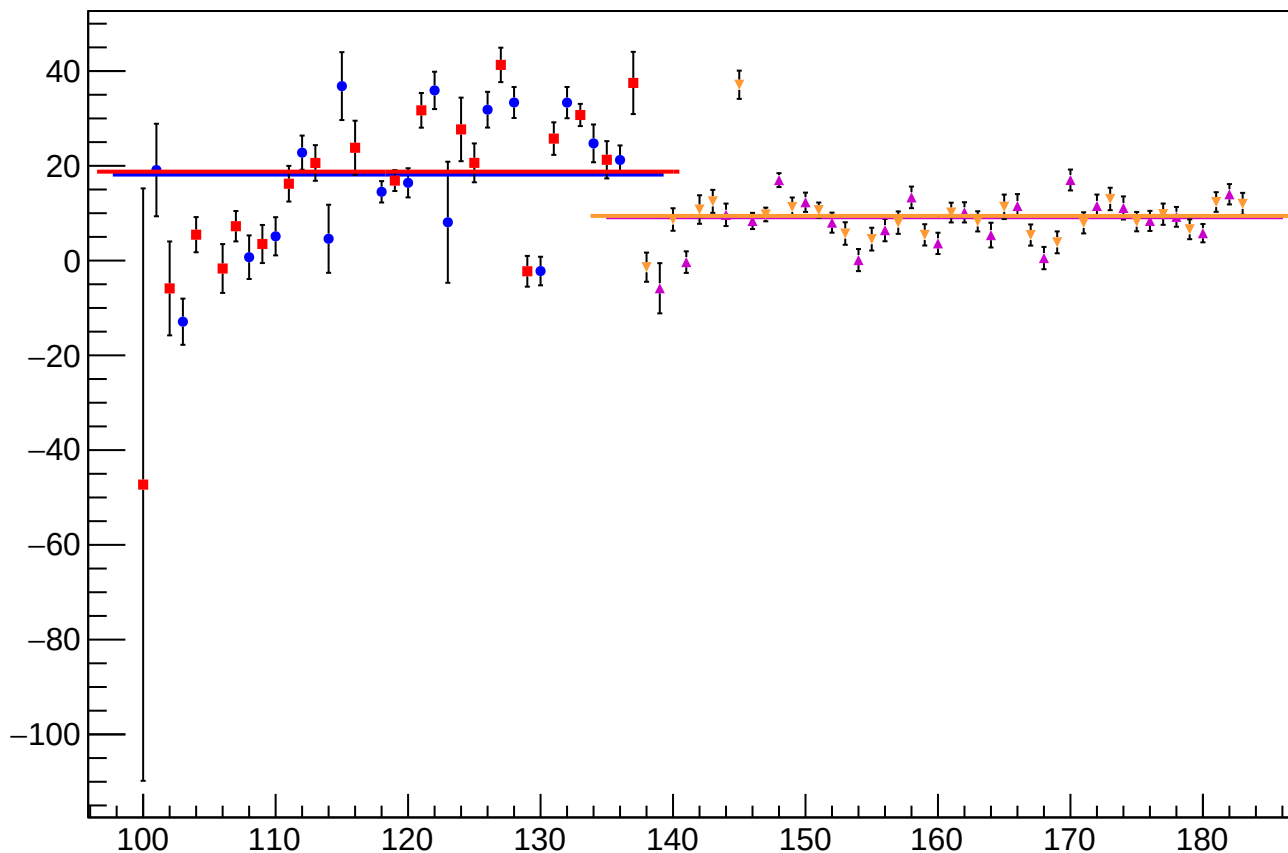
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -49.219 ± 0.591 $\chi^2/\text{NDF}: 537.9/21$

Out: -50.905 ± 0.577 $\chi^2/\text{NDF}: 761.1/23$

All: -50.082 ± 0.413 $\chi^2/\text{NDF}: 1303.2/45$

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.157 ± 0.919 χ^2/NDF : 206.6/16

Left Out: 9.432 ± 0.449 χ^2/NDF : 130.3/23

Right Out: 18.770 ± 0.864 χ^2/NDF : 199.0/18

Left In: 9.148 ± 0.465 χ^2/NDF : 121.8/21

Left: 9.295 ± 0.323 χ^2/NDF : 252.2/45

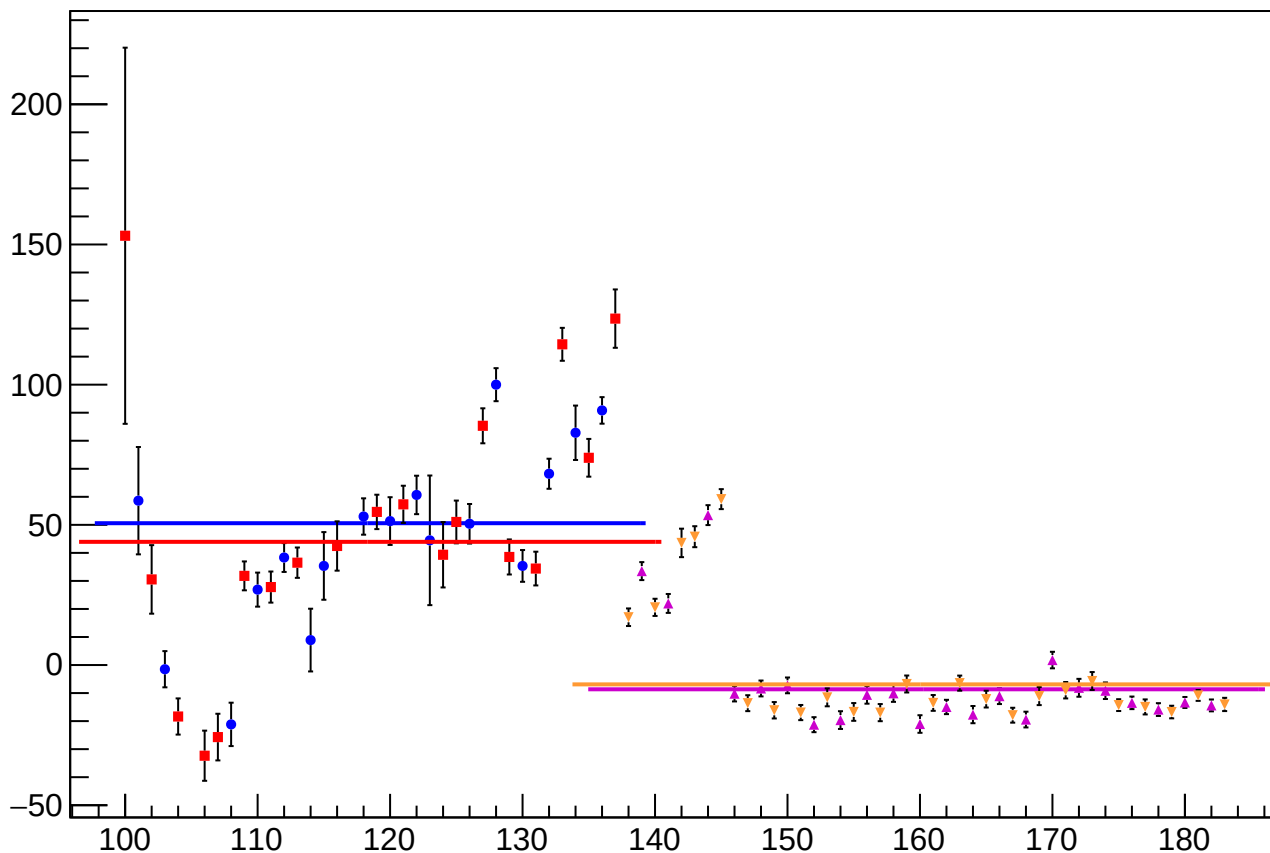
Right: 18.482 ± 0.629 χ^2/NDF : 405.9/35

In: 10.986 ± 0.415 χ^2/NDF : 404.9/38

Out: 11.415 ± 0.398 χ^2/NDF : 421.3/42

All: 11.209 ± 0.287 χ^2/NDF : 826.8/81

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.587 $\pm$ 1.681 χ^2 /NDF: 361.7/16

Left Out: -6.899 $\pm$ 0.575 χ^2 /NDF:914.2/23

Right Out: 43.942 $\pm$ 1.605 χ^2 /NDF: 533.3/18

Left In: -8.655 $\pm$ 0.586 χ^2 /NDF:683.2/21

Left: -7.760 $\pm$ 0.410 χ^2 /NDF: 1602.0/45

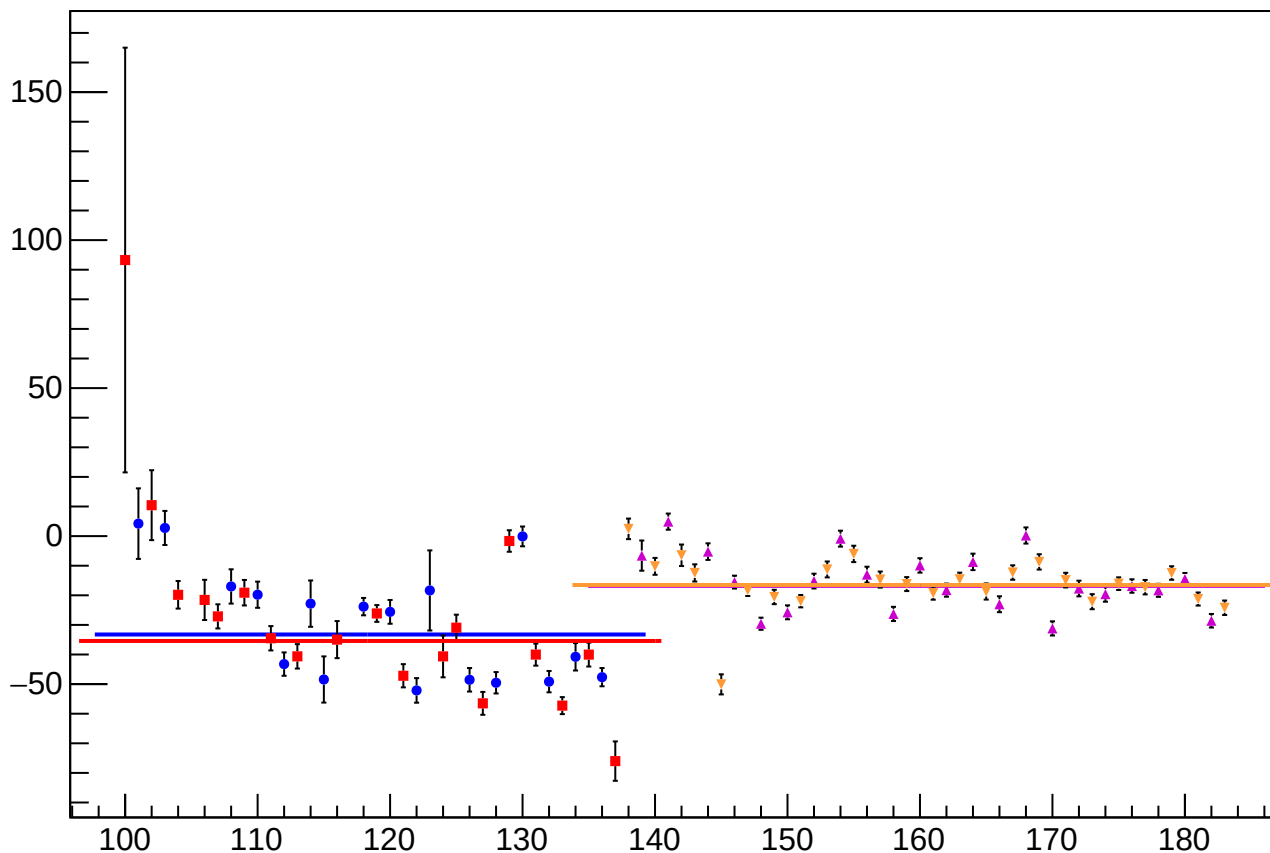
Right: 47.112 $\pm$ 1.161 χ^2 /NDF: 903.2/35

In: -2.231 $\pm$ 0.553 χ^2 /NDF:2152.9/38

Out: -1.117 $\pm$ 0.541 χ^2 /NDF:2336.7/42

All: -1.662 $\pm$ 0.387 χ^2 /NDF: 4491.6/81

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.238 ± 1.045 χ^2/NDF : 291.4/16

Left Out: -16.514 ± 0.510 χ^2/NDF : 209.2/23

Right Out: -35.423 ± 0.993 χ^2/NDF : 289.2/18

Left In: -16.812 ± 0.526 χ^2/NDF : 317.9/21

Left: -16.659 ± 0.366 χ^2/NDF : 527.2/45

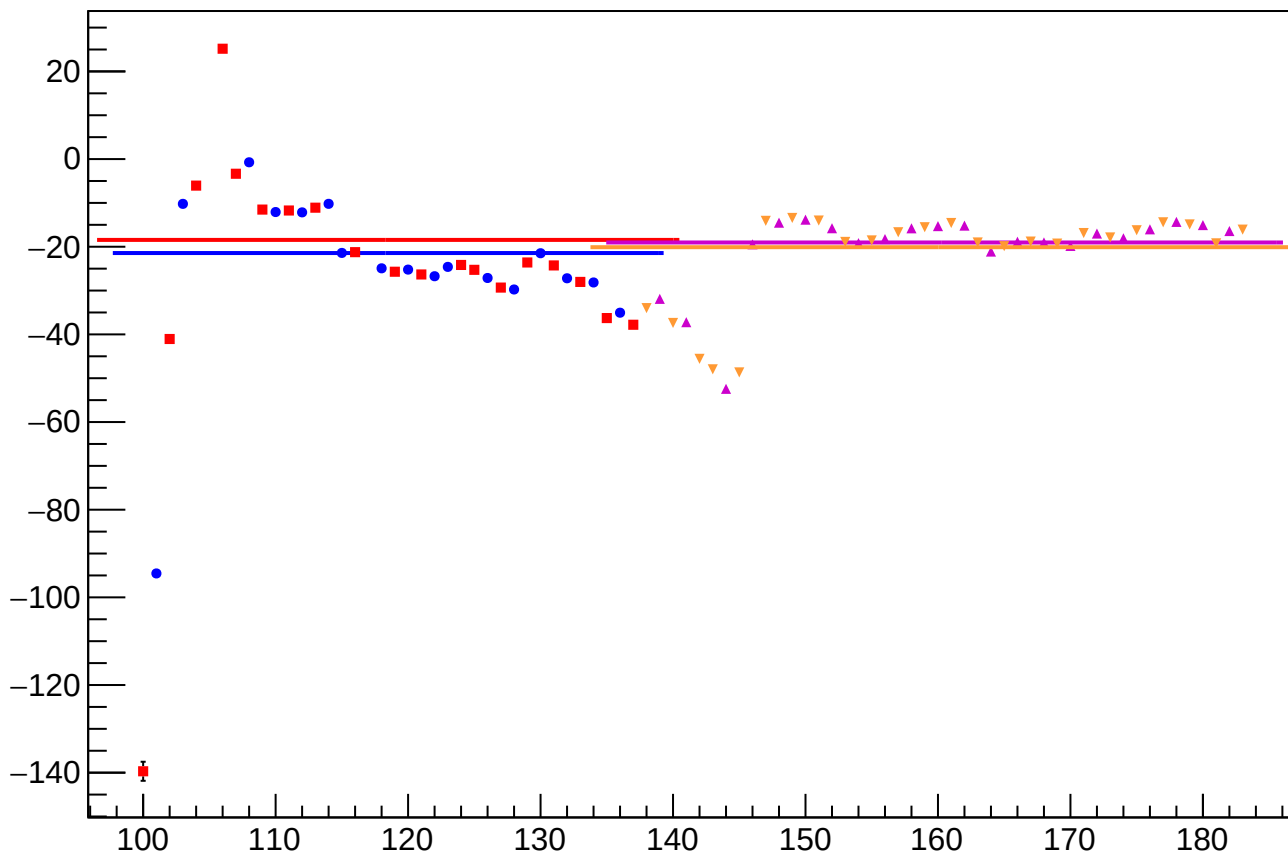
Right: -34.386 ± 0.720 χ^2/NDF : 582.9/35

In: -20.133 ± 0.470 χ^2/NDF : 806.2/38

Out: -20.461 ± 0.454 χ^2/NDF : 785.3/42

All: -20.303 ± 0.326 χ^2/NDF : 1591.8/81

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.439 $\pm$ 0.059 χ^2 /NDF: 48930.7/16

Left Out: -20.106 $\pm$ 0.024 χ^2 /NDF: 144626.3/23

Right Out: -18.442 $\pm$ 0.057 χ^2 /NDF: 80422.3/18

Left In: -19.029 $\pm$ 0.024 χ^2 /NDF: 90829.9/21

Left: -19.576 $\pm$ 0.017 χ^2 /NDF: 236488.9/45

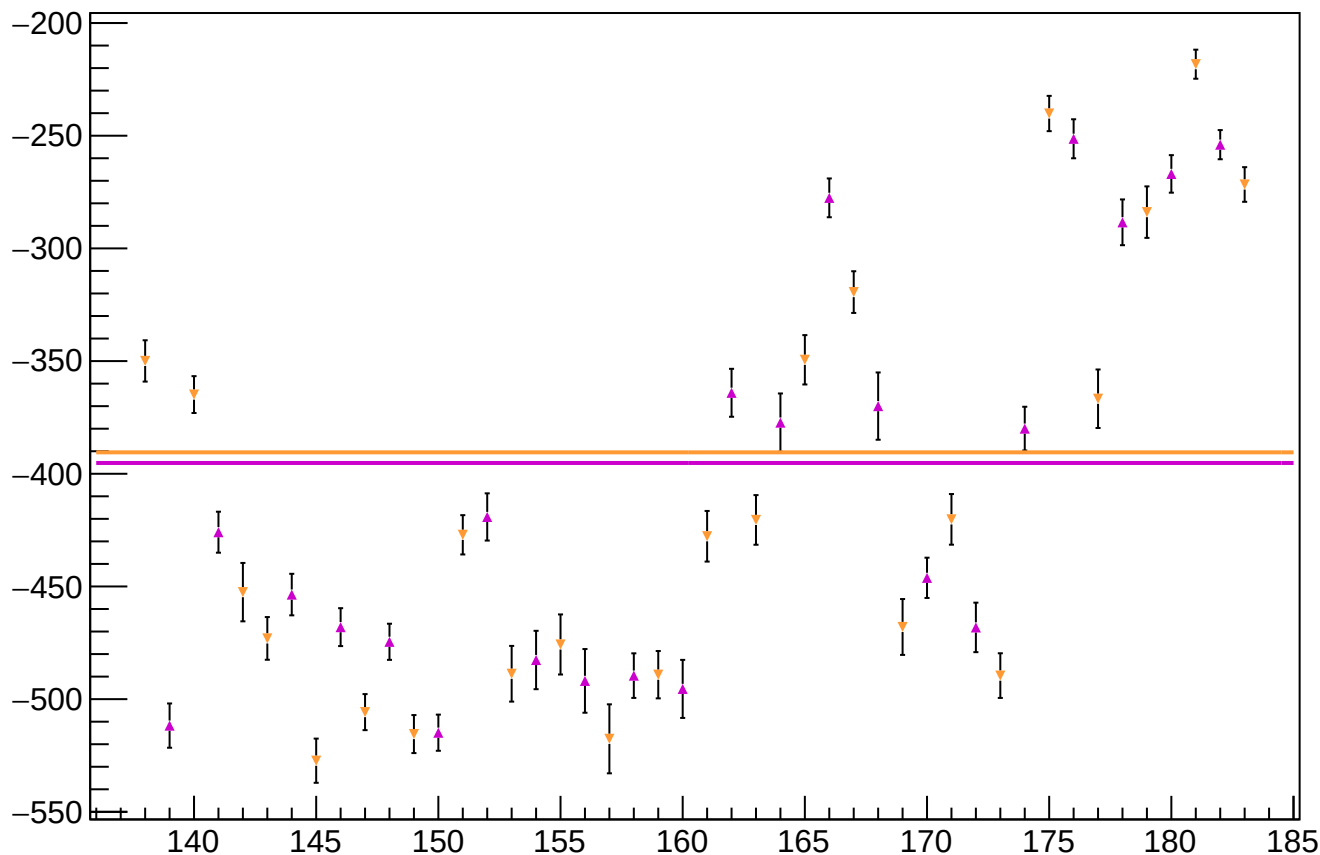
Right: -19.902 $\pm$ 0.041 χ^2 /NDF: 130677.1/35

In: -19.368 $\pm$ 0.022 χ^2 /NDF: 141195.2/38

Out: -19.867 $\pm$ 0.022 χ^2 /NDF: 225766.4/42

All: -19.622 $\pm$ 0.016 χ^2 /NDF: 367219.8/81

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -390.495+/-1.983 χ^2/NDF :2678.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -395.204+/-2.035 χ^2/NDF :2217.0/21

Left: -392.788+/-1.420 χ^2/NDF : 4898.3/45

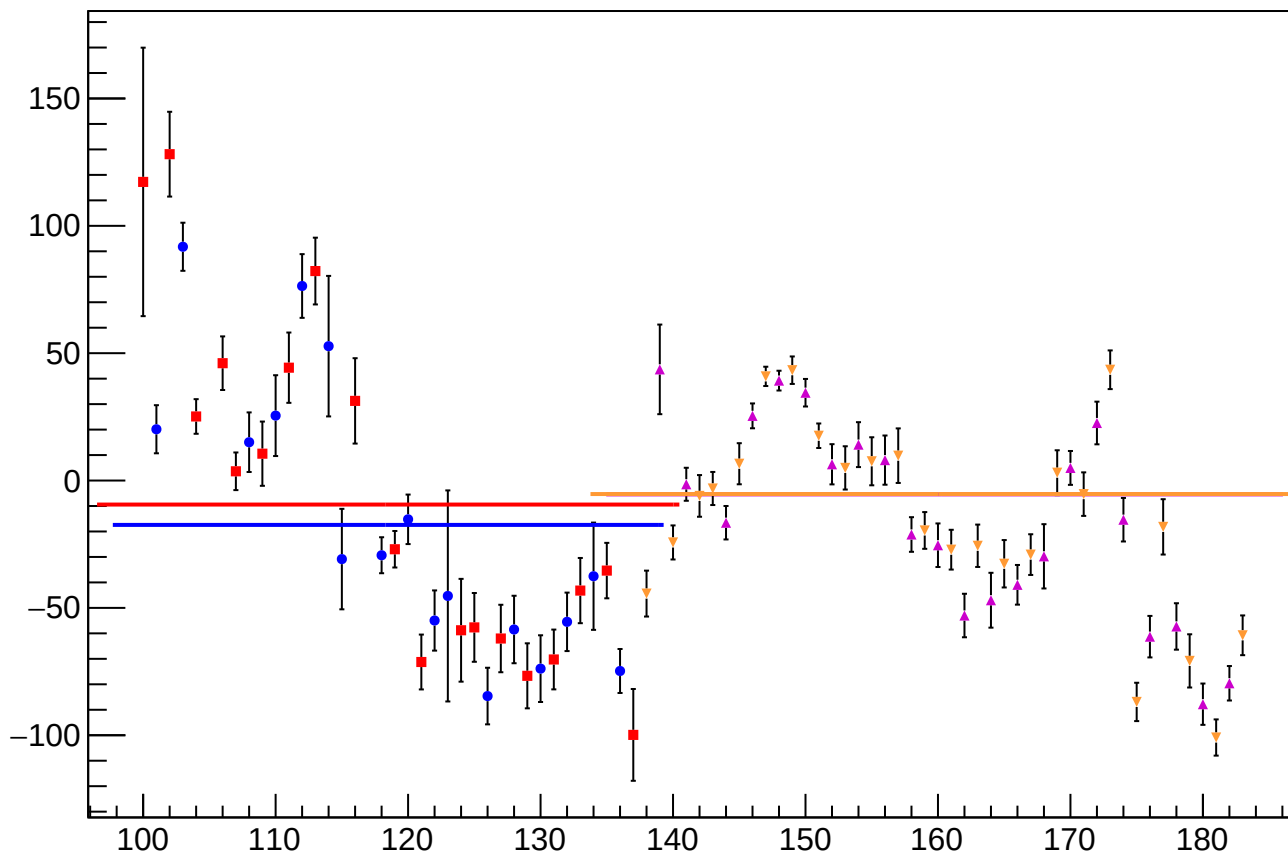
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -395.204+/-2.035 χ^2/NDF :2217.0/21

Out: -390.495+/-1.983 χ^2/NDF :2678.5/23

All: -392.788+/-1.420 χ^2/NDF : 4898.3/45

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.419 ± 2.826 $\chi^2/\text{NDF}: 362.1/16$

Left Out: -5.303 ± 1.471 $\chi^2/\text{NDF}: 754.0/23$

Right Out: -9.431 ± 2.611 $\chi^2/\text{NDF}: 369.3/18$

Left In: -5.436 ± 1.529 $\chi^2/\text{NDF}: 645.7/21$

Left: -5.367 ± 1.060 $\chi^2/\text{NDF}: 1399.7/45$

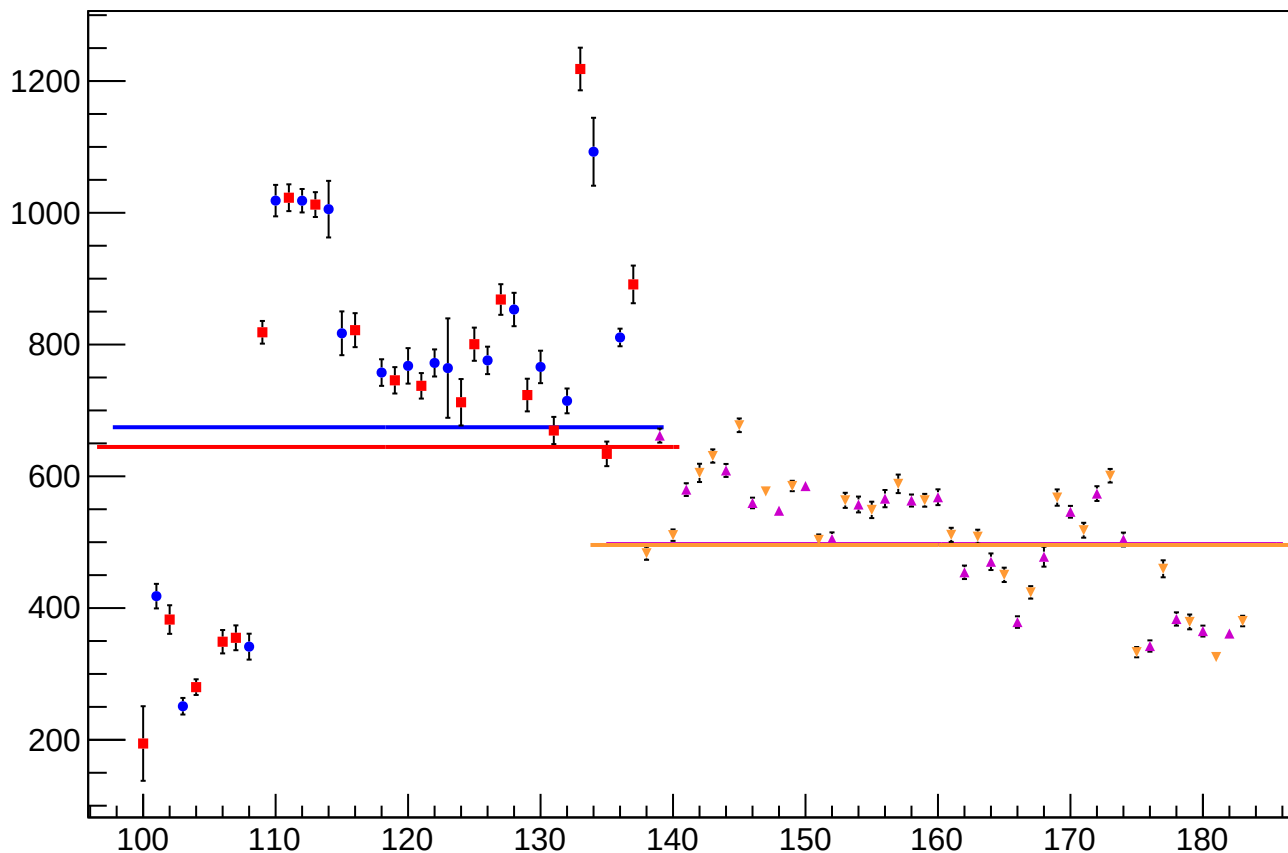
Right: -13.111 ± 1.918 $\chi^2/\text{NDF}: 735.6/35$

In: -8.152 ± 1.345 $\chi^2/\text{NDF}: 1021.6/38$

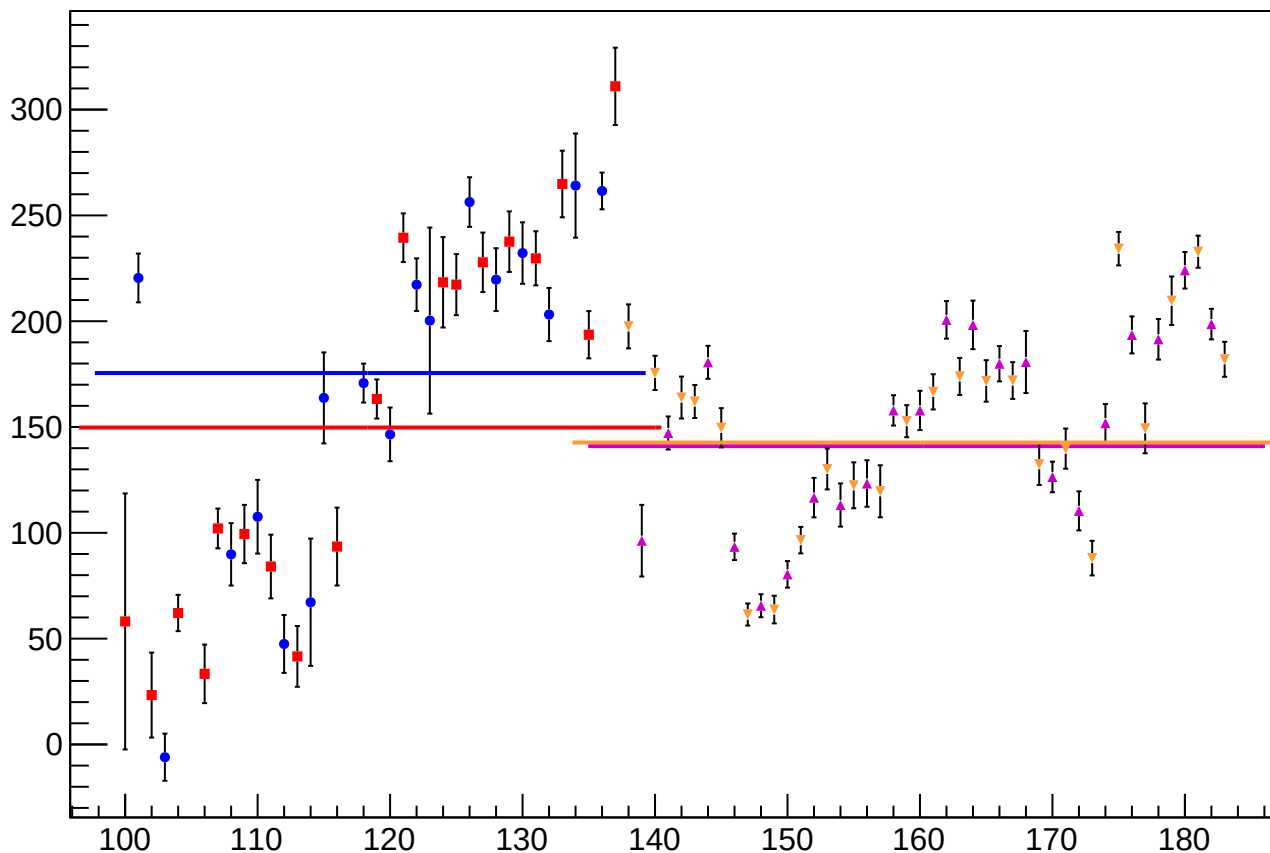
Out: -6.297 ± 1.281 $\chi^2/\text{NDF}: 1125.2/42$

All: -7.179 ± 0.928 $\chi^2/\text{NDF}: 2147.8/81$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.509 $\pm$ 3.245 χ^2 /NDF: 635.4/16

Left Out: 142.670 $\pm$ 1.710 χ^2 /NDF:929.1/23

Right Out: 149.769 $\pm$ 3.046 χ^2 /NDF: 691.2/18

Left In: 141.001 $\pm$ 1.766 χ^2 /NDF:739.2/21

Left: 141.862 $\pm$ 1.228 χ^2 /NDF: 1668.7/45

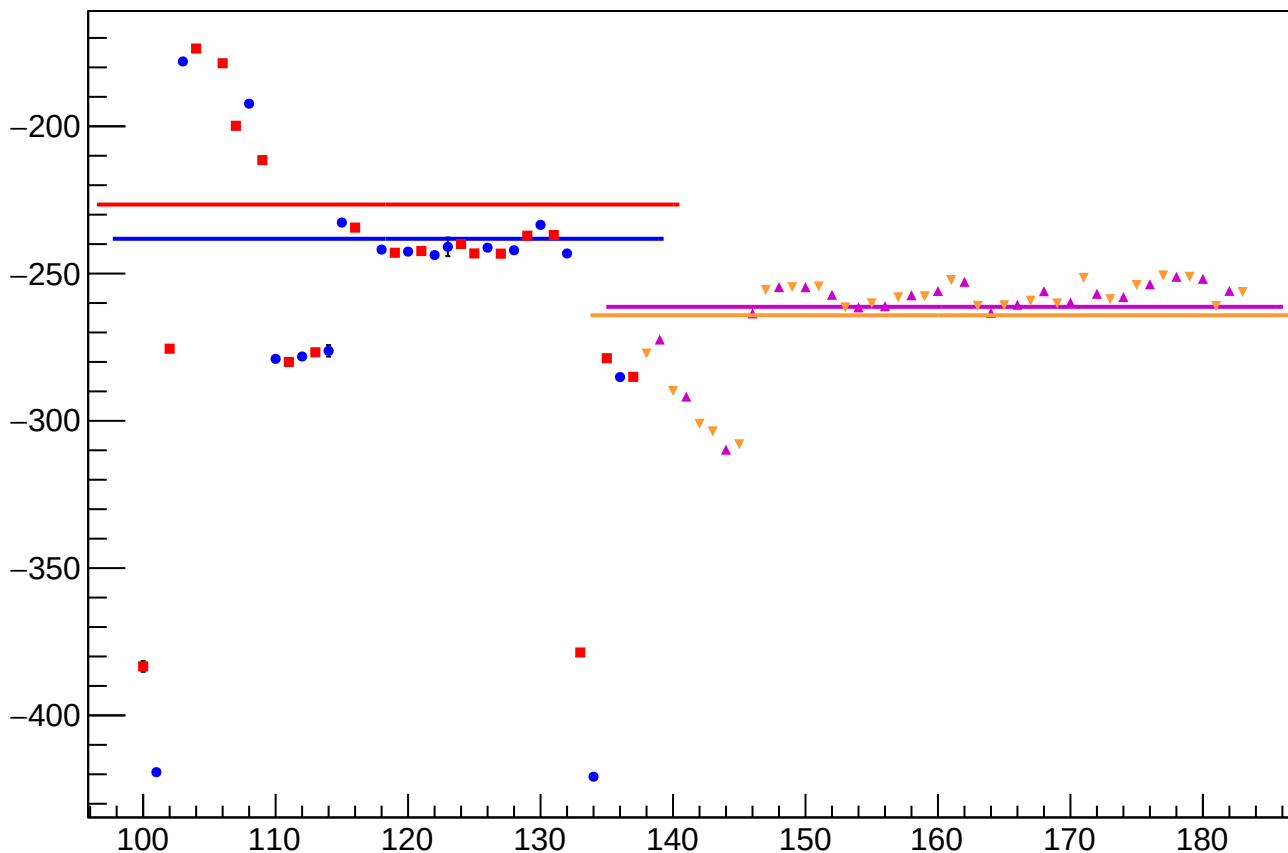
Right: 161.824 $\pm$ 2.221 χ^2 /NDF: 1360.1/35

In: 148.881 $\pm$ 1.551 χ^2 /NDF:1461.8/38

Out: 144.371 $\pm$ 1.491 χ^2 /NDF:1624.4/42

All: 146.537 $\pm$ 1.075 χ^2 /NDF: 3090.6/81

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.191+/-0.161 χ^2/NDF : 167088.3/16

Left Out: -264.163+/-0.082 χ^2/NDF : 38717.2/23

Right Out: -226.567+/-0.151 χ^2/NDF : 102539.6/18

Left In: -261.299+/-0.083 χ^2/NDF : 23347.3/21

Left: -262.747+/-0.058 χ^2/NDF : 62667.1/45

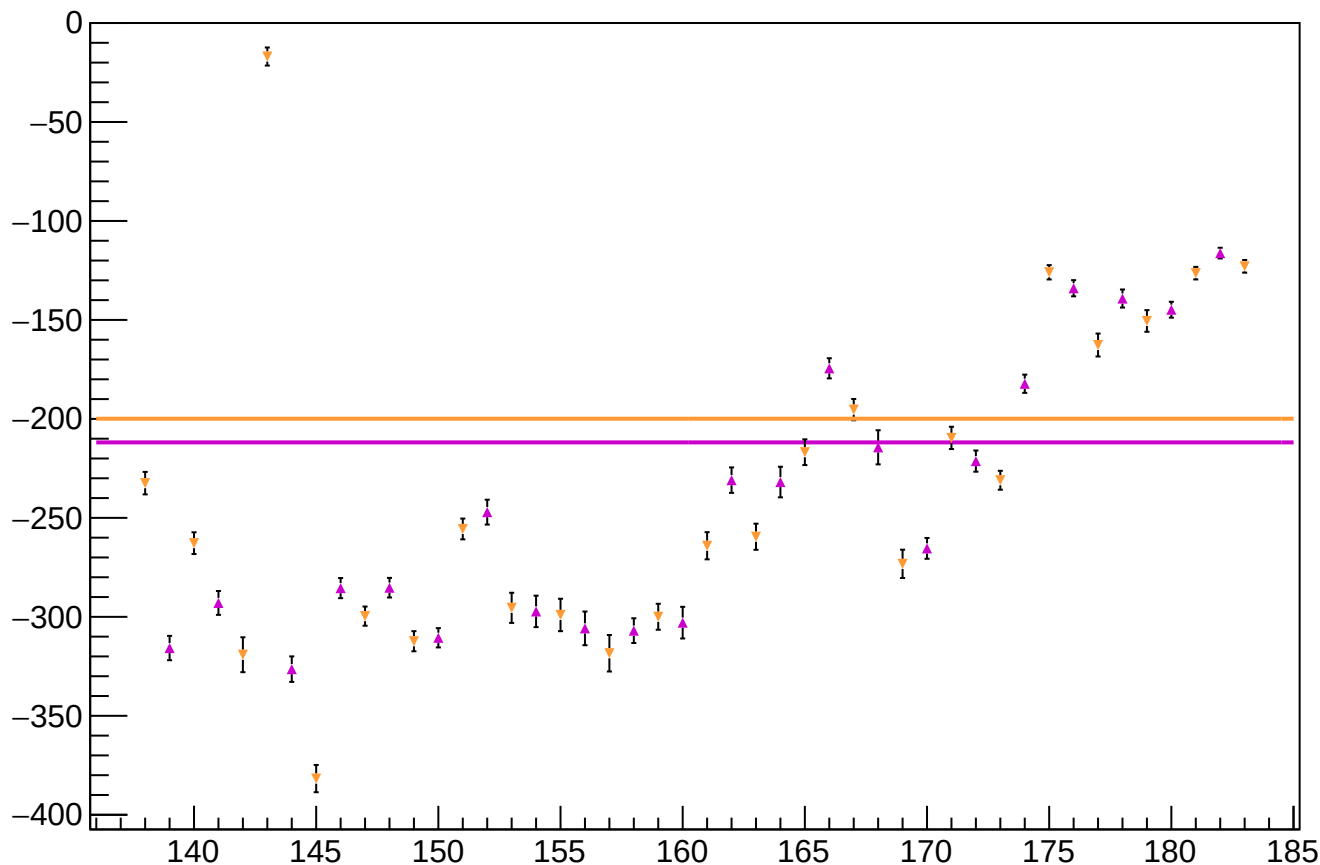
Right: -232.034+/-0.110 χ^2/NDF : 272402.4/35

In: -256.435+/-0.074 χ^2/NDF : 206780.4/38

Out: -255.621+/-0.072 χ^2/NDF : 188955.9/42

All: -256.019+/-0.052 χ^2/NDF : 395798.5/81

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -199.900+/-1.075 χ^2/NDF :6360.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -211.870+/-1.109 χ^2/NDF :4616.7/21

Left: -205.704+/-0.772 χ^2/NDF : 11037.5/45

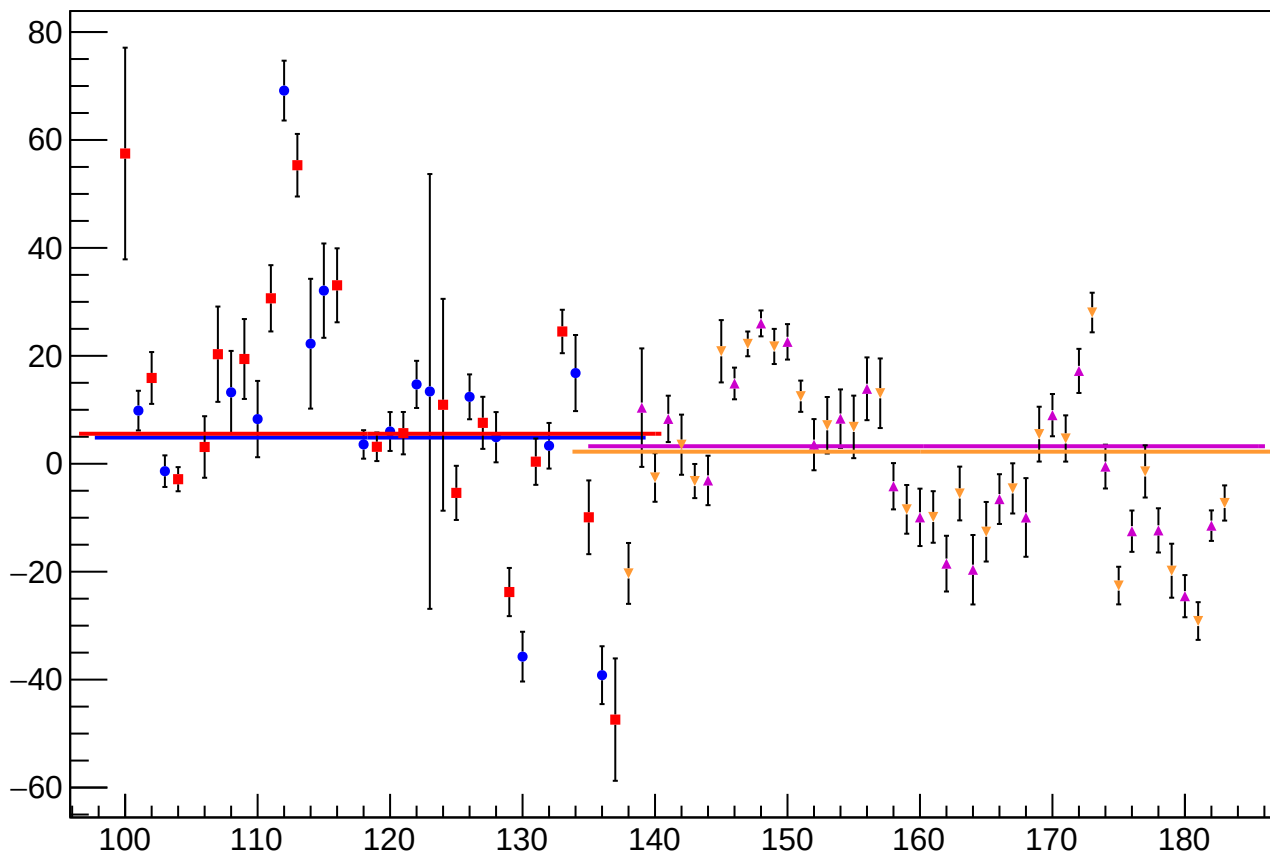
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -211.870+/-1.109 χ^2/NDF :4616.7/21

Out: -199.900+/-1.075 χ^2/NDF :6360.7/23

All: -205.704+/-0.772 χ^2/NDF : 11037.5/45

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.855 ± 1.107 χ^2/NDF : 310.9/16

Left Out: 2.242 ± 0.828 χ^2/NDF : 392.8/23

Right Out: 5.561 ± 1.070 χ^2/NDF : 238.3/18

Left In: 3.247 ± 0.870 χ^2/NDF : 319.2/21

Left: 2.720 ± 0.600 χ^2/NDF : 712.8/45

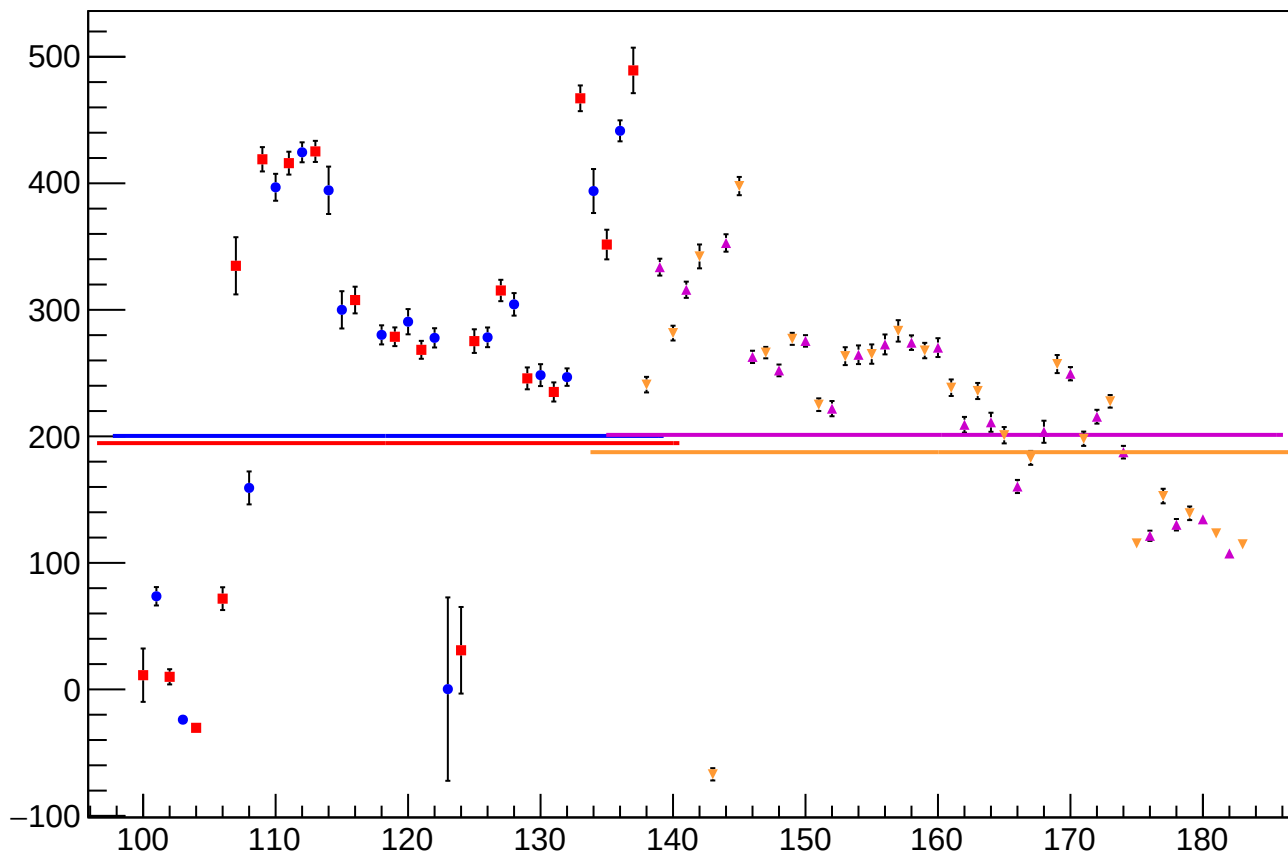
Right: 5.220 ± 0.769 χ^2/NDF : 549.4/35

In: 3.860 ± 0.684 χ^2/NDF : 631.5/38

Out: 3.486 ± 0.655 χ^2/NDF : 637.2/42

All: 3.665 ± 0.473 χ^2/NDF : 1268.8/81

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.347 $\pm$ 1.987 χ^2 /NDF: 6717.6/16

Left Out: 187.509 $\pm$ 1.079 χ^2 /NDF: 7081.9/23

Right Out: 194.656 $\pm$ 1.927 χ^2 /NDF: 8242.8/18

Left In: 201.171 $\pm$ 1.105 χ^2 /NDF: 4355.0/21

Left: 194.174 $\pm$ 0.772 χ^2 /NDF: 11515.1/45

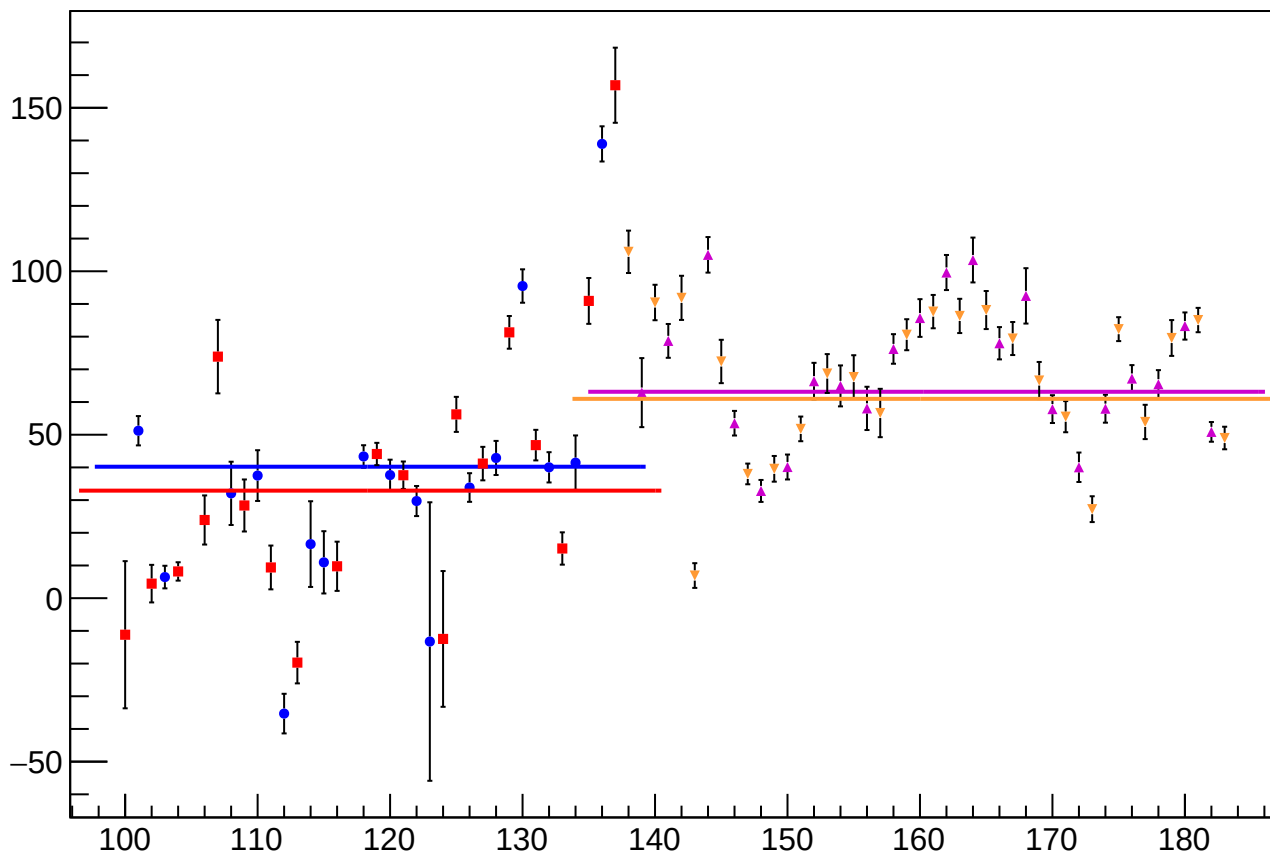
Right: 197.414 $\pm$ 1.383 χ^2 /NDF: 14964.6/35

In: 200.976 $\pm$ 0.966 χ^2 /NDF: 11072.7/38

Out: 189.215 $\pm$ 0.941 χ^2 /NDF: 15335.2/42

All: 194.944 $\pm$ 0.674 χ^2 /NDF: 26483.9/81

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.214 $\pm$ 1.286 χ^2 /NDF: 733.9/16

Left Out: 60.973 $\pm$ 0.952 χ^2 /NDF: 677.0/23

Right Out: 32.898 $\pm$ 1.252 χ^2 /NDF: 549.8/18

Left In: 63.139 $\pm$ 0.991 χ^2 /NDF: 389.9/21

Left: 62.012 $\pm$ 0.686 χ^2 /NDF: 1069.3/45

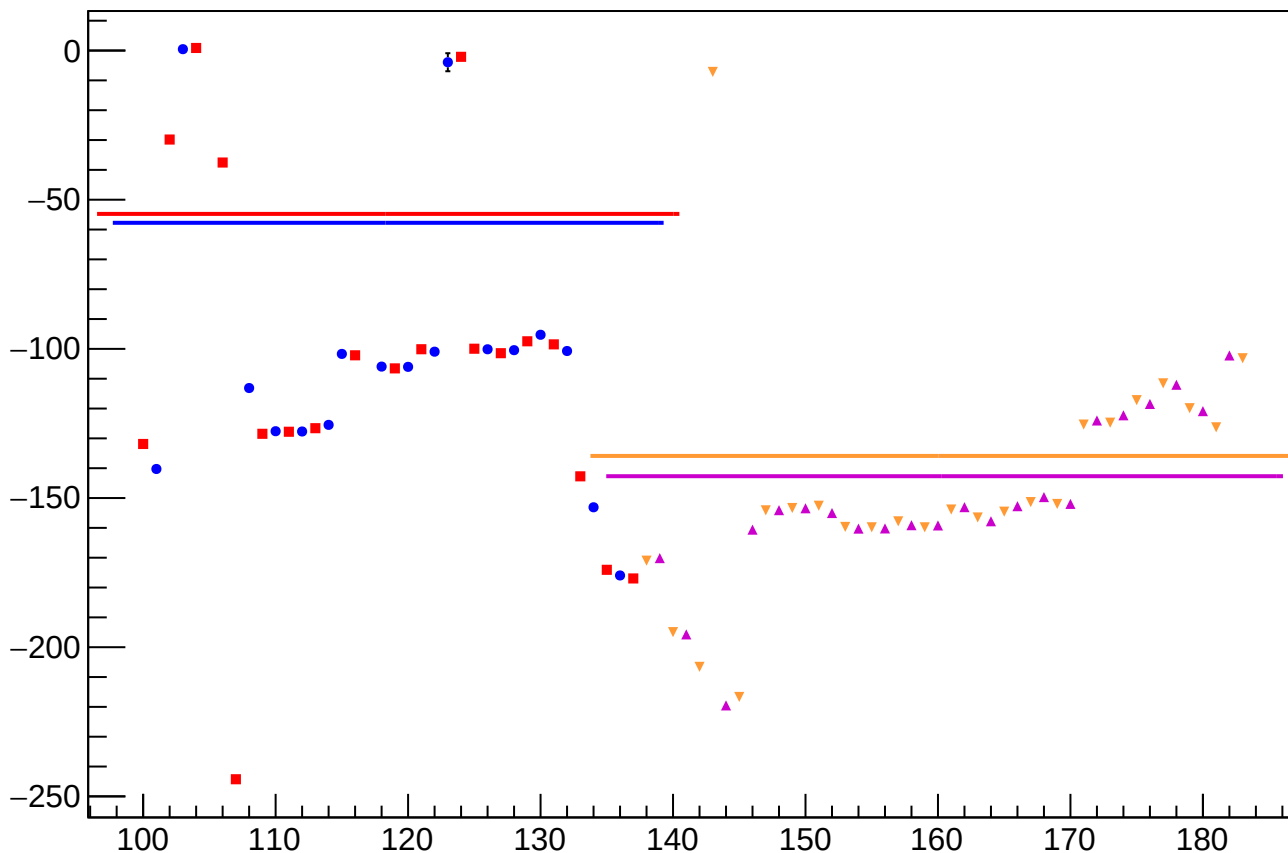
Right: 36.460 $\pm$ 0.897 χ^2 /NDF: 1300.3/35

In: 54.594 $\pm$ 0.785 χ^2 /NDF: 1323.2/38

Out: 50.697 $\pm$ 0.758 χ^2 /NDF: 1545.4/42

All: 52.577 $\pm$ 0.545 χ^2 /NDF: 2881.3/81

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.743 $\pm$ 0.062 χ^2 /NDF: 1100251.3/16

Left Out: -135.884 $\pm$ 0.045 χ^2 /NDF: 786863.8/23

Right Out: -54.758 $\pm$ 0.060 χ^2 /NDF: 999720.2/18

Left In: -142.679 $\pm$ 0.046 χ^2 /NDF: 322659.4/21

Left: -139.212 $\pm$ 0.032 χ^2 /NDF: 1120563.6/45

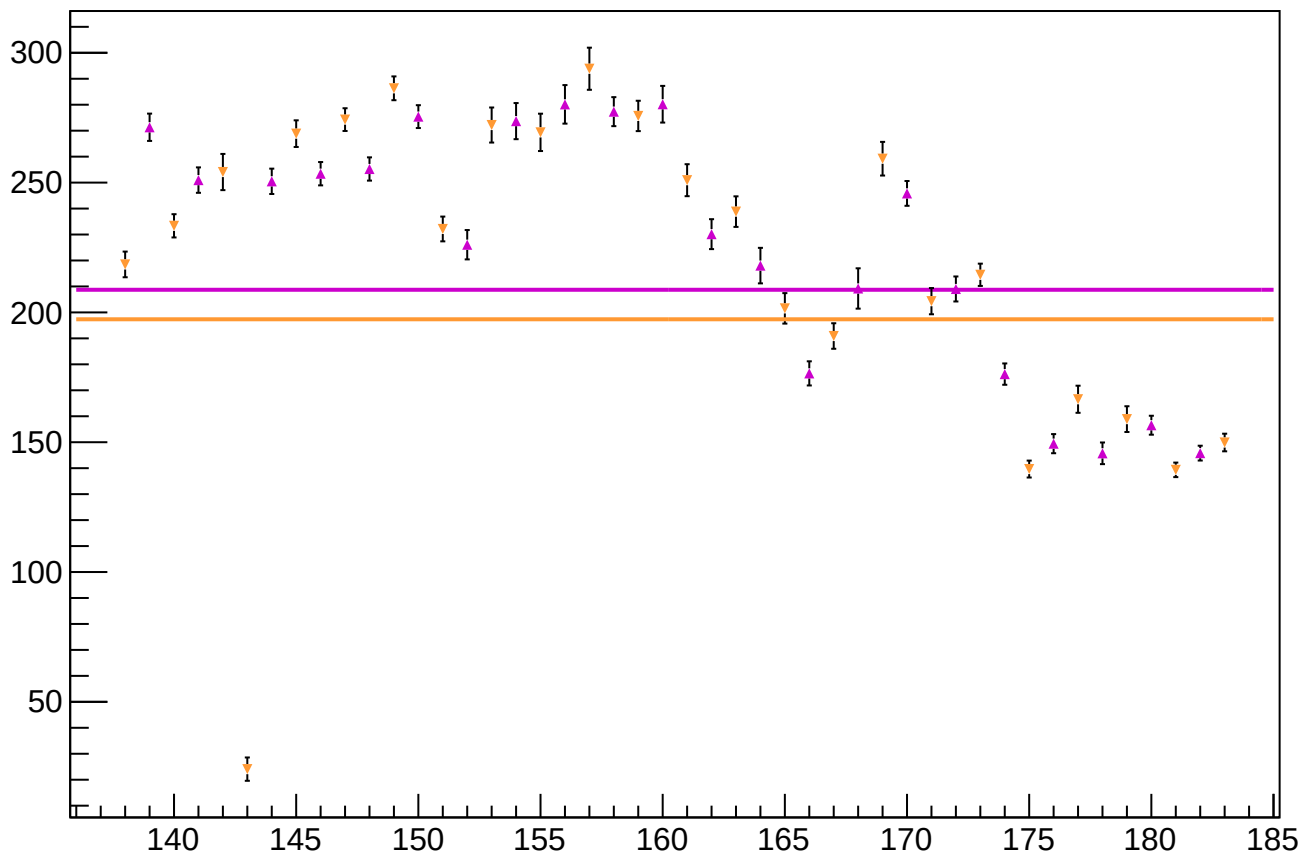
Right: -56.212 $\pm$ 0.043 χ^2 /NDF: 2101166.3/35

In: -112.259 $\pm$ 0.037 χ^2 /NDF: 2633816.1/38

Out: -106.634 $\pm$ 0.036 χ^2 /NDF: 2944867.2/42

All: -109.384 $\pm$ 0.026 χ^2 /NDF: 5590489.7/81

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 197.352+/-0.973 χ^2/NDF :4384.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 208.720+/-1.009 χ^2/NDF :2533.0/21

Left: 202.828+/-0.700 χ^2/NDF : 6982.8/45

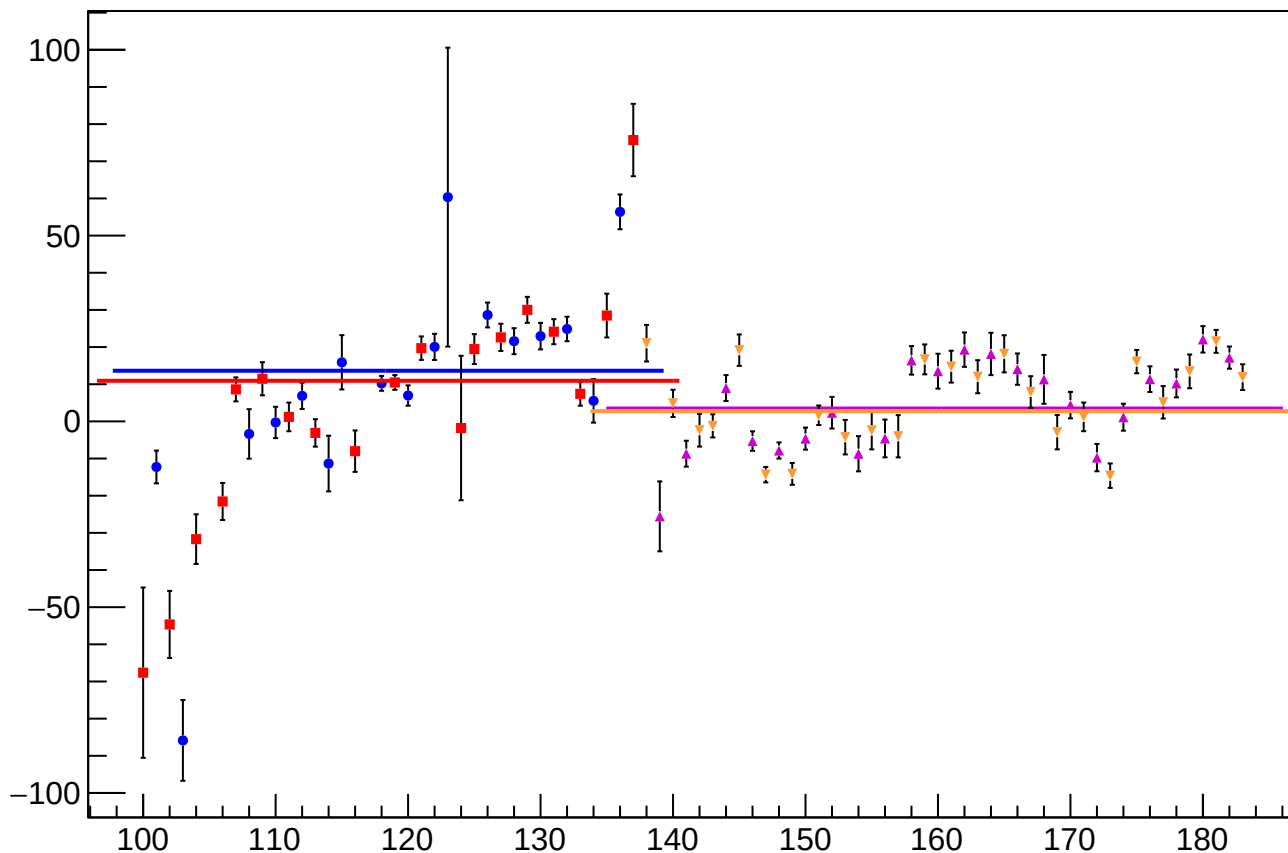
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 208.720+/-1.009 χ^2/NDF :2533.0/21

Out: 197.352+/-0.973 χ^2/NDF :4384.0/23

All: 202.828+/-0.700 χ^2/NDF : 6982.8/45

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.625 $\pm$ 0.938 χ^2/NDF : 293.3/16

Left Out: 2.747 $\pm$ 0.746 χ^2/NDF : 270.6/23

Right Out: 10.927 $\pm$ 0.915 χ^2/NDF : 302.8/18

Left In: 3.464 $\pm$ 0.783 χ^2/NDF : 191.3/21

Left: 3.089 $\pm$ 0.540 χ^2/NDF : 462.4/45

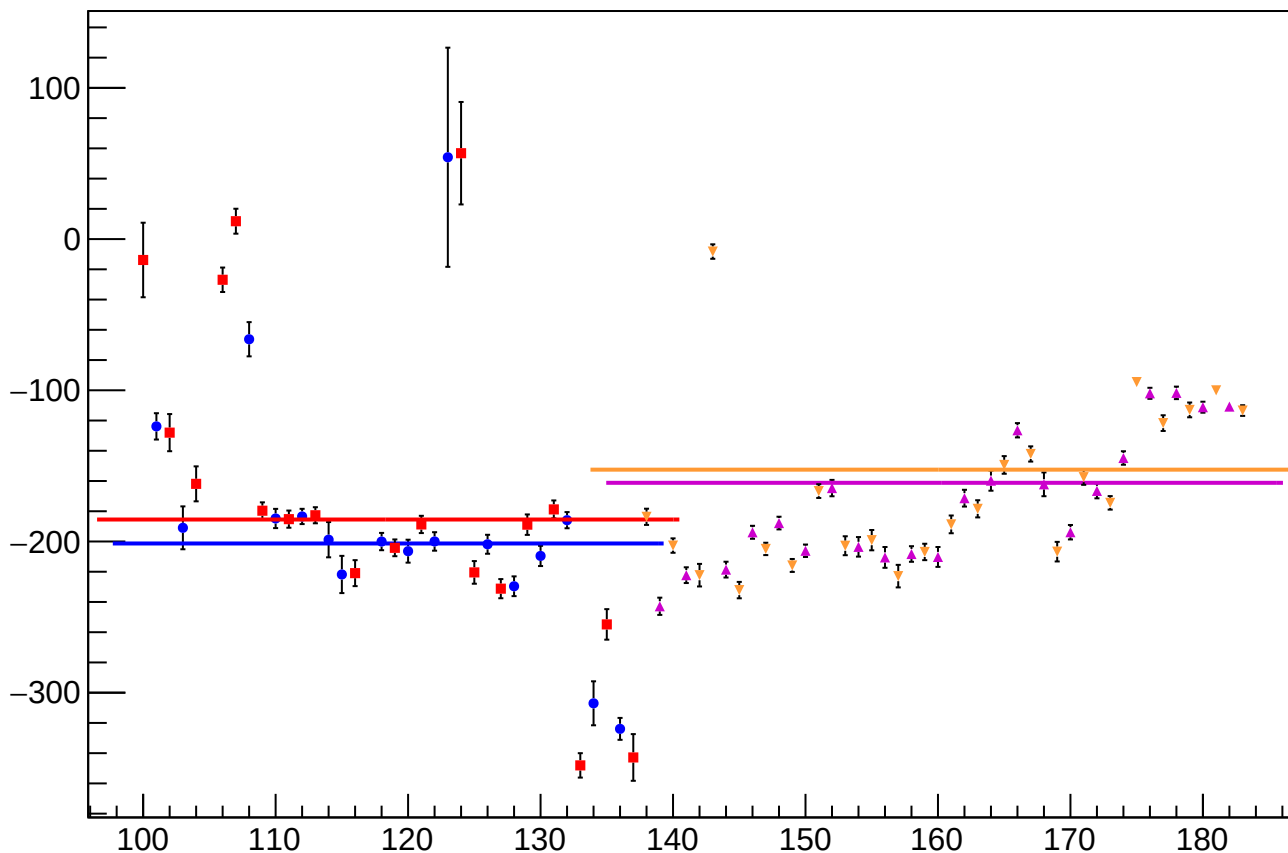
Right: 12.242 $\pm$ 0.655 χ^2/NDF : 600.3/35

In: 7.637 $\pm$ 0.601 χ^2/NDF : 553.7/38

Out: 6.017 $\pm$ 0.578 χ^2/NDF : 621.4/42

All: 6.796 $\pm$ 0.417 χ^2/NDF : 1178.9/81

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.316 ± 1.800 χ^2/NDF : 624.9/16

Left Out: -152.491 ± 0.976 χ^2/NDF : 3074.2/23

Right Out: -185.469 ± 1.703 χ^2/NDF : 1745.0/18

Left In: -161.196 ± 1.006 χ^2/NDF : 1983.4/21

Left: -156.712 ± 0.700 χ^2/NDF : 5096.3/45

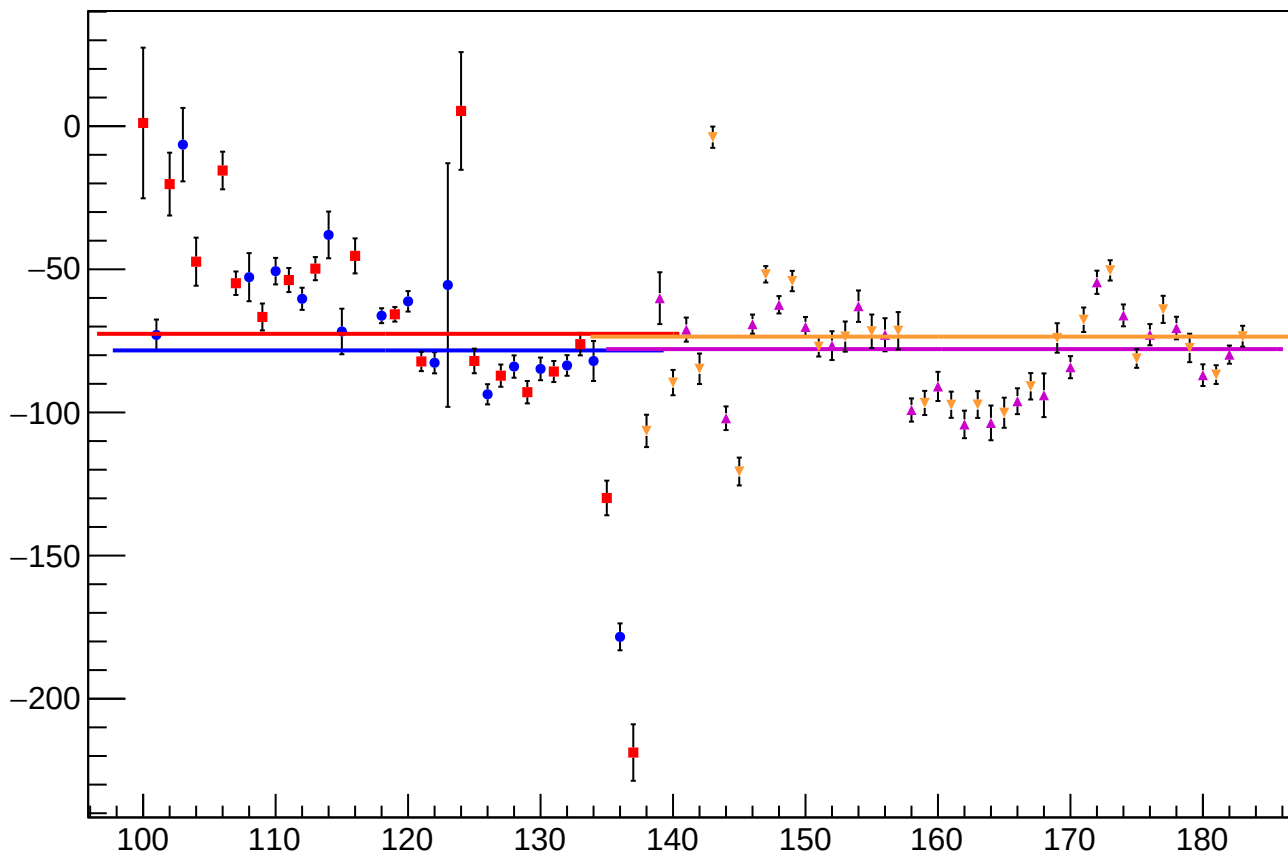
Right: -192.954 ± 1.237 χ^2/NDF : 2410.8/35

In: -170.742 ± 0.878 χ^2/NDF : 2987.0/38

Out: -160.644 ± 0.847 χ^2/NDF : 5101.7/42

All: -165.510 ± 0.609 χ^2/NDF : 8157.3/81

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.334 ± 1.084 χ^2/NDF : 649.9/16

Left Out: -73.518 ± 0.859 χ^2/NDF : 778.6/23

Right Out: -72.531 ± 1.054 χ^2/NDF : 605.5/18

Left In: -77.873 ± 0.894 χ^2/NDF : 246.4/21

Left: -75.606 ± 0.619 χ^2/NDF : 1037.3/45

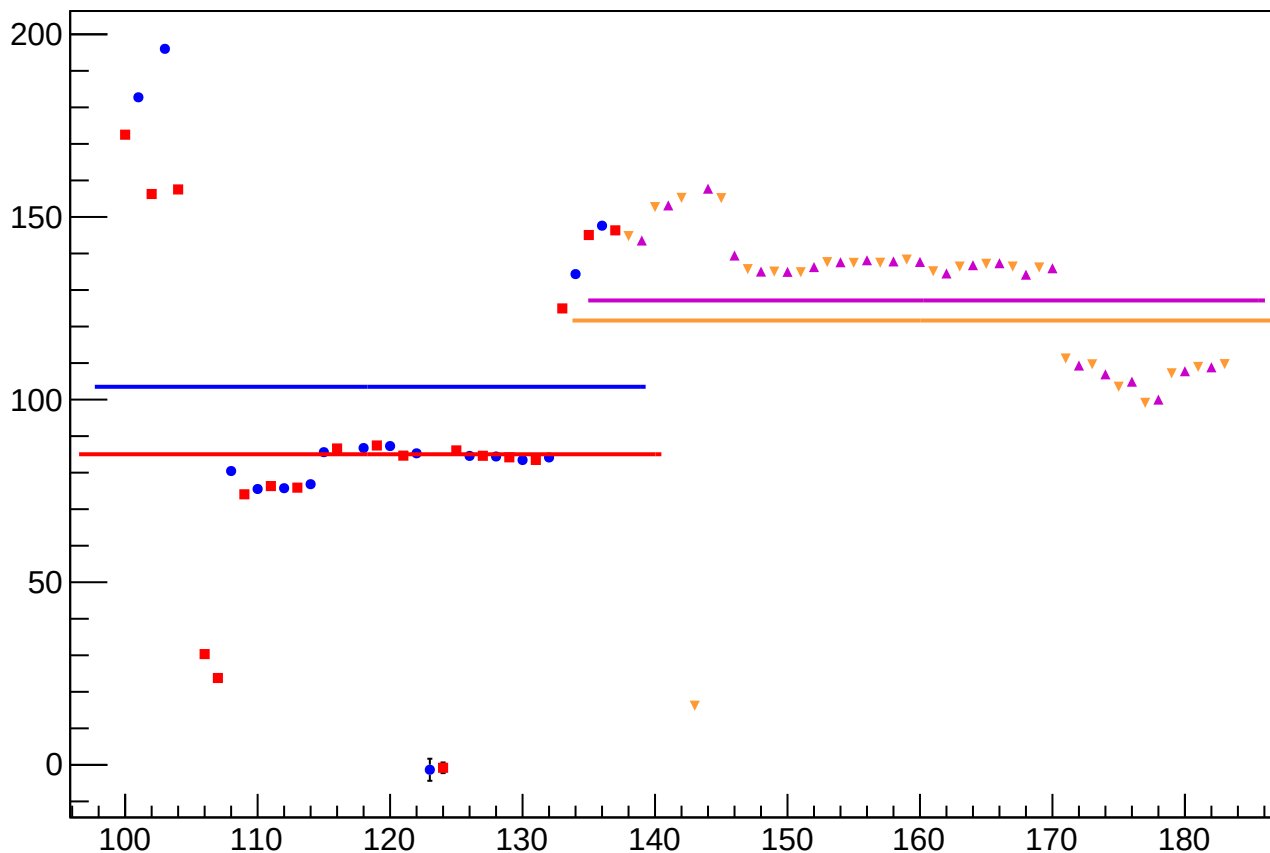
Right: -75.351 ± 0.756 χ^2/NDF : 1270.1/35

In: -78.060 ± 0.690 χ^2/NDF : 896.4/38

Out: -73.124 ± 0.666 χ^2/NDF : 1384.6/42

All: -75.504 ± 0.479 χ^2/NDF : 2307.5/81

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.509 $\pm$ 0.071 χ^2 /NDF: 272499.7/16

Left Out: 121.649 $\pm$ 0.041 χ^2 /NDF: 479880.1/23

Right Out: 85.036 $\pm$ 0.064 χ^2 /NDF: 422344.8/18

Left In: 127.142 $\pm$ 0.042 χ^2 /NDF: 158400.7/21

Left: 124.336 $\pm$ 0.029 χ^2 /NDF: 647142.9/45

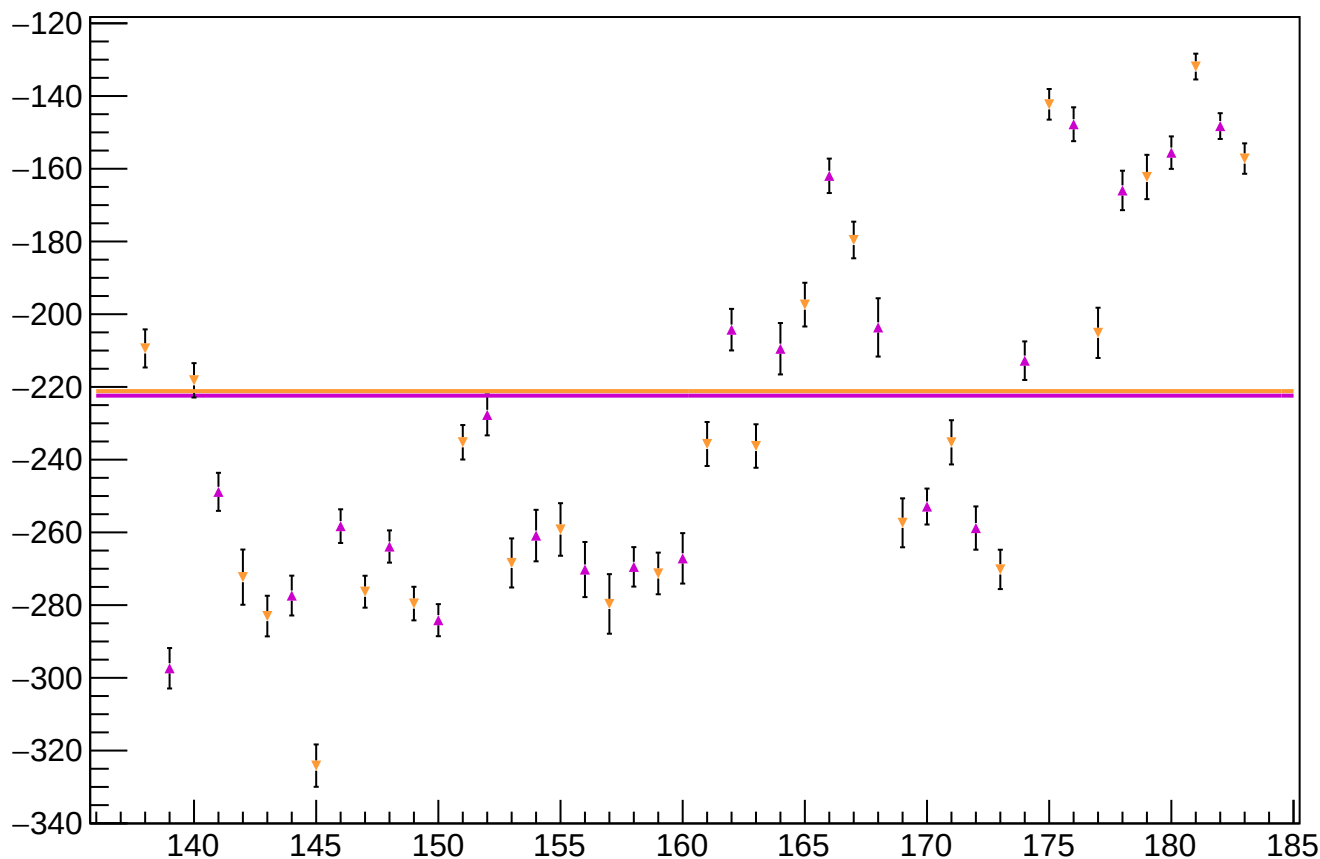
Right: 93.292 $\pm$ 0.047 χ^2 /NDF: 732275.0/35

In: 121.082 $\pm$ 0.036 χ^2 /NDF: 513260.5/38

Out: 111.026 $\pm$ 0.034 χ^2 /NDF: 1135763.2/42

All: 115.829 $\pm$ 0.025 χ^2 /NDF: 1689880.9/81

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -221.144+/-1.093 χ^2/NDF :2546.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -222.395+/-1.118 χ^2/NDF :2126.0/21

Left: -221.755+/-0.782 χ^2/NDF : 4673.2/45

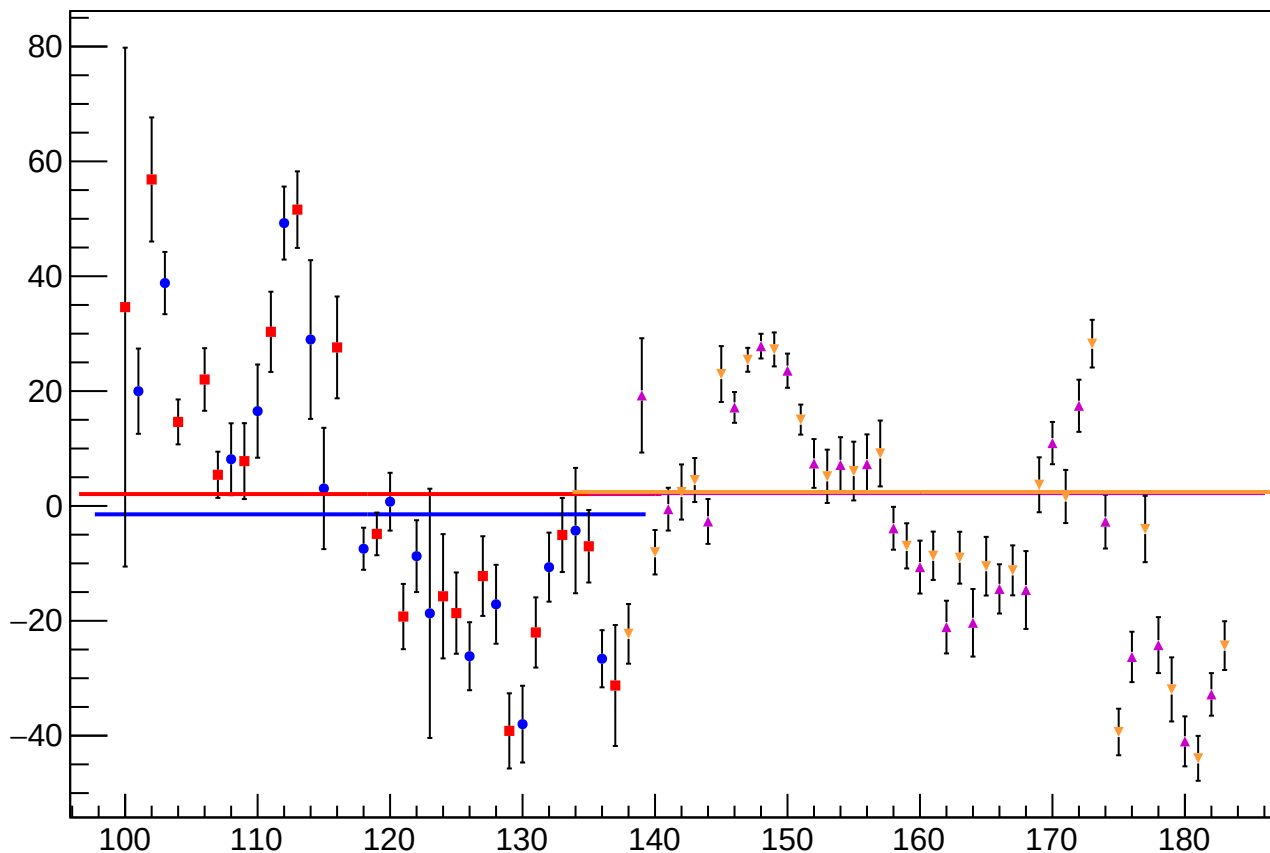
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -222.395+/-1.118 χ^2/NDF :2126.0/21

Out: -221.144+/-1.093 χ^2/NDF :2546.6/23

All: -221.755+/-0.782 χ^2/NDF : 4673.2/45

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.459 ± 1.539 χ^2/NDF : 224.8/16

Left Out: 2.437 ± 0.812 χ^2/NDF : 666.5/23

Right Out: 2.070 ± 1.401 χ^2/NDF : 232.8/18

Left In: 2.235 ± 0.842 χ^2/NDF : 583.0/21

Left: 2.340 ± 0.584 χ^2/NDF : 1249.5/45

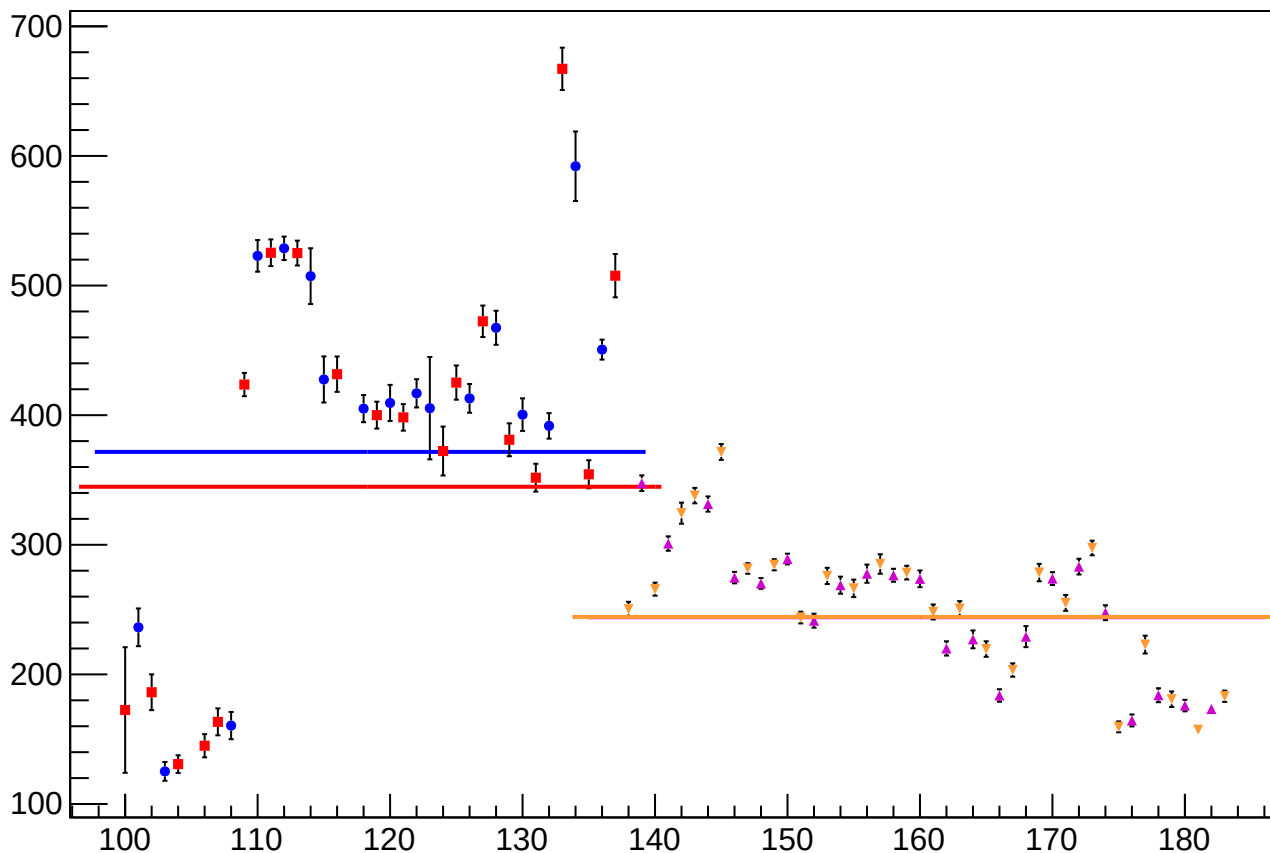
Right: 0.471 ± 1.036 χ^2/NDF : 460.5/35

In: 1.385 ± 0.739 χ^2/NDF : 812.2/38

Out: 2.345 ± 0.702 χ^2/NDF : 899.3/42

All: 1.889 ± 0.509 χ^2/NDF : 1712.4/81

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.672 $\pm$ 2.783 χ^2 /NDF: 2430.1/16

Left Out: 244.351 $\pm$ 1.090 χ^2 /NDF:2558.6/23

Right Out: 344.775 $\pm$ 2.565 χ^2 /NDF: 3412.6/18

Left In: 244.097 $\pm$ 1.108 χ^2 /NDF:2219.4/21

Left: 244.226 $\pm$ 0.777 χ^2 /NDF: 4778.0/45

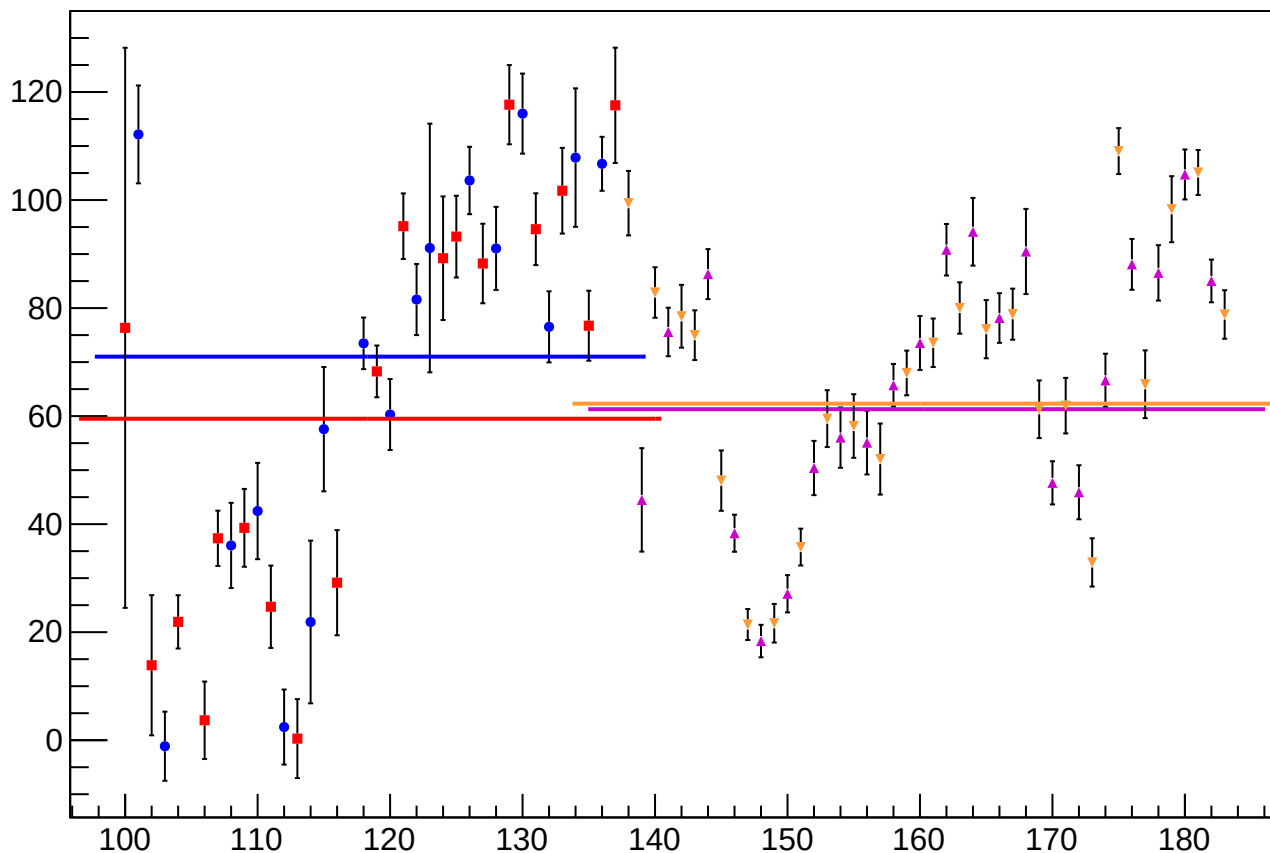
Right: 357.130 $\pm$ 1.886 χ^2 /NDF: 5893.2/35

In: 261.543 $\pm$ 1.029 χ^2 /NDF:6463.3/38

Out: 259.711 $\pm$ 1.003 χ^2 /NDF:7269.2/42

All: 260.604 $\pm$ 0.718 χ^2 /NDF: 13734.1/81

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.009 $\pm$ 1.768 χ^2 /NDF: 424.1/16

Left Out: 62.306 $\pm$ 0.943 χ^2 /NDF:835.2/23

Right Out: 59.517 $\pm$ 1.633 χ^2 /NDF: 489.4/18

Left In: 61.280 $\pm$ 0.970 χ^2 /NDF:699.2/21

Left: 61.808 $\pm$ 0.676 χ^2 /NDF: 1534.9/45

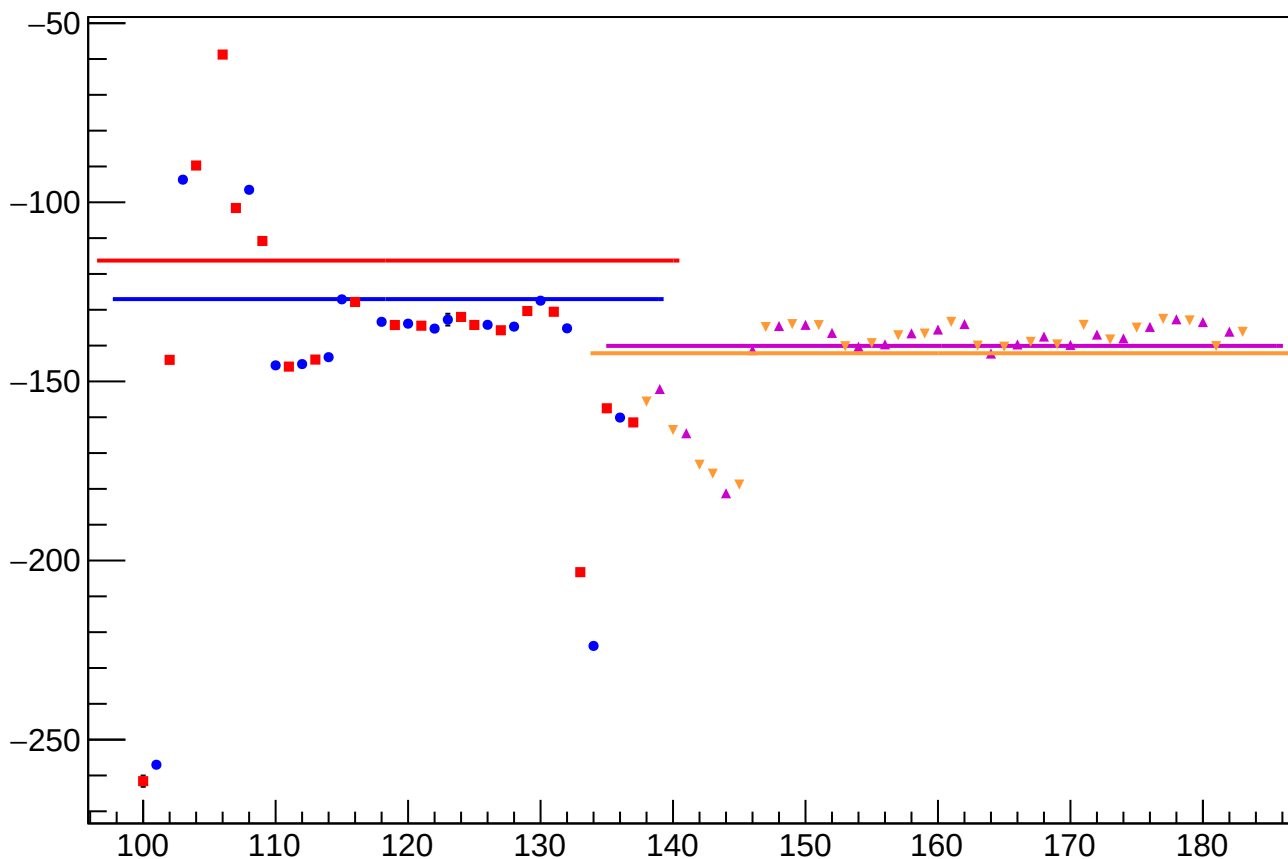
Right: 64.809 $\pm$ 1.200 χ^2 /NDF: 936.3/35

In: 63.532 $\pm$ 0.851 χ^2 /NDF:1146.6/38

Out: 61.609 $\pm$ 0.816 χ^2 /NDF:1326.8/42

All: 62.531 $\pm$ 0.589 χ^2 /NDF: 2476.0/81

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.024 $\pm$ 0.090 χ^2 /NDF: 166974.0/16

Left Out: -142.136 $\pm$ 0.045 χ^2 /NDF: 79563.3/23

Right Out: -116.264 $\pm$ 0.083 χ^2 /NDF: 167018.1/18

Left In: -140.085 $\pm$ 0.046 χ^2 /NDF: 48024.8/21

Left: -141.118 $\pm$ 0.032 χ^2 /NDF: 128612.4/45

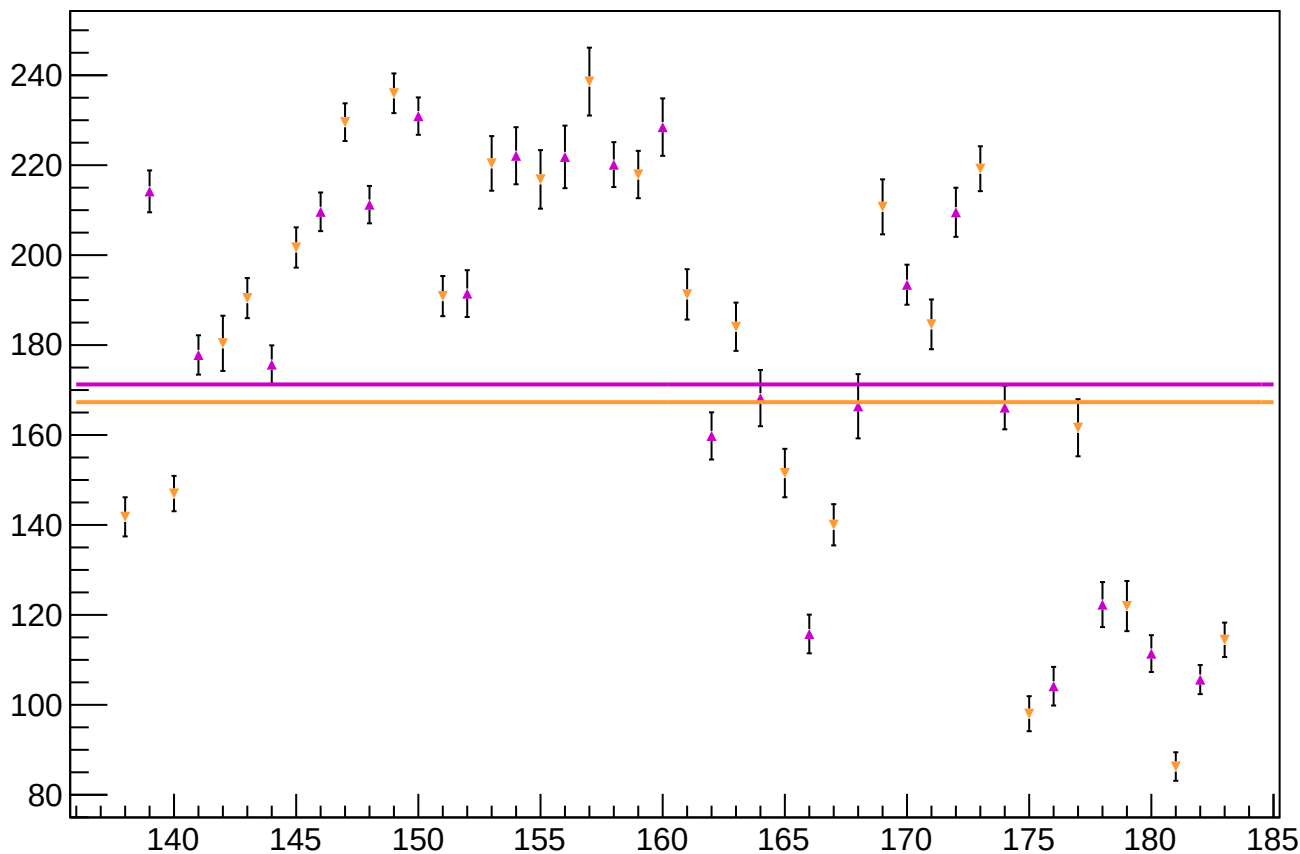
Right: -121.220 $\pm$ 0.061 χ^2 /NDF: 341725.4/35

In: -137.420 $\pm$ 0.041 χ^2 /NDF: 231807.9/38

Out: -136.233 $\pm$ 0.040 χ^2 /NDF: 321500.7/42

All: -136.812 $\pm$ 0.028 χ^2 /NDF: 553745.9/81

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 167.299+/-0.978 χ^2/NDF :2425.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 171.247+/-1.010 χ^2/NDF :1985.8/21

Left: 169.211+/-0.702 χ^2/NDF : 4419.1/45

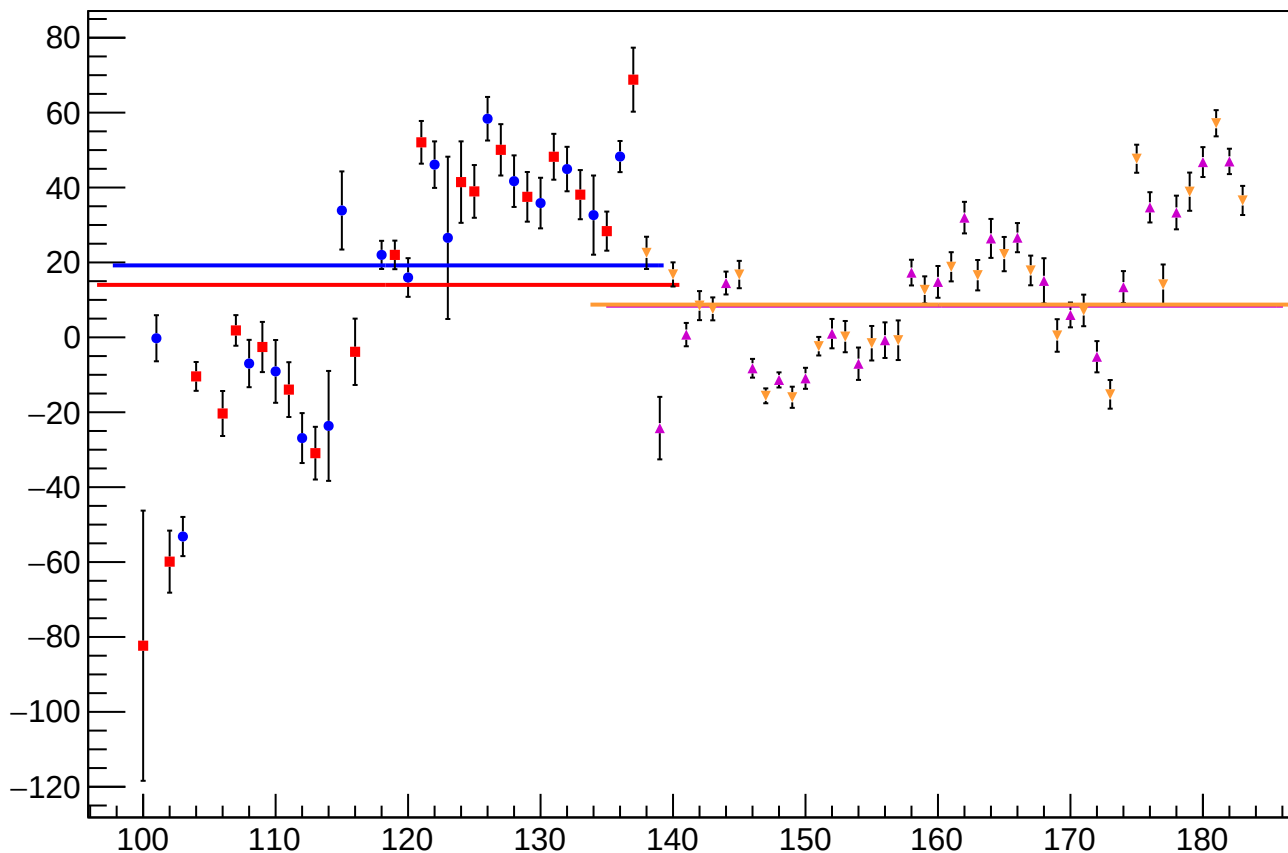
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 171.247+/-1.010 χ^2/NDF :1985.8/21

Out: 167.299+/-0.978 χ^2/NDF :2425.5/23

All: 169.211+/-0.702 χ^2/NDF : 4419.1/45

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.211 ± 1.503 $\chi^2/\text{NDF}: 439.4/16$

Left Out: 8.742 ± 0.732 $\chi^2/\text{NDF}: 736.6/23$

Right Out: 14.009 ± 1.391 $\chi^2/\text{NDF}: 435.5/18$

Left In: 8.450 ± 0.765 $\chi^2/\text{NDF}: 616.3/21$

Left: 8.602 ± 0.529 $\chi^2/\text{NDF}: 1353.0/45$

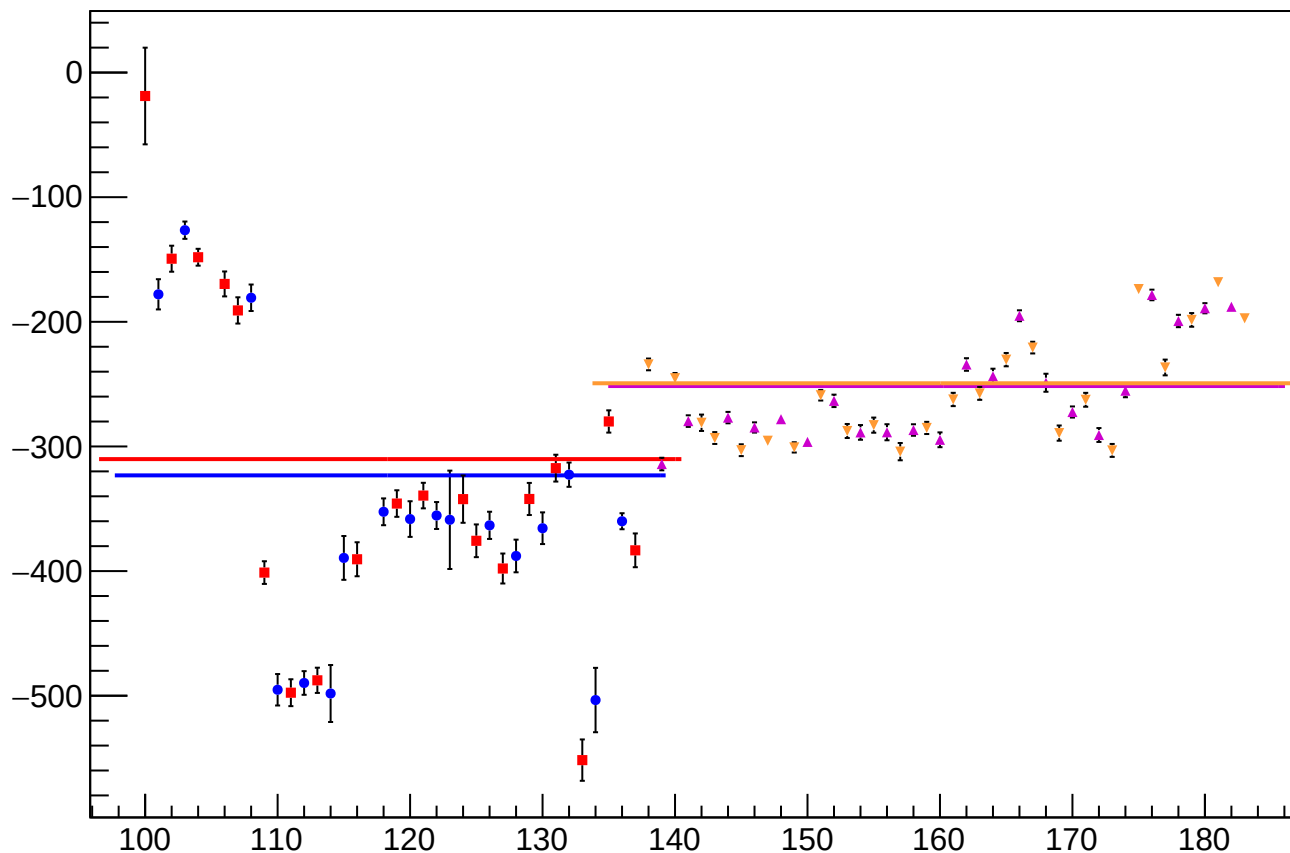
Right: 16.409 ± 1.021 $\chi^2/\text{NDF}: 881.4/35$

In: 10.662 ± 0.682 $\chi^2/\text{NDF}: 1096.5/38$

Out: 9.884 ± 0.648 $\chi^2/\text{NDF}: 1183.4/42$

All: 10.253 ± 0.470 $\chi^2/\text{NDF}: 2280.5/81$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.205 ± 2.689 χ^2/NDF : 1846.8/16

Left Out: -249.304 ± 0.979 χ^2/NDF : 2198.7/23

Right Out: -310.154 ± 2.527 χ^2/NDF : 2298.0/18

Left In: -251.524 ± 1.003 χ^2/NDF : 1905.7/21

Left: -250.387 ± 0.701 χ^2/NDF : 4106.9/45

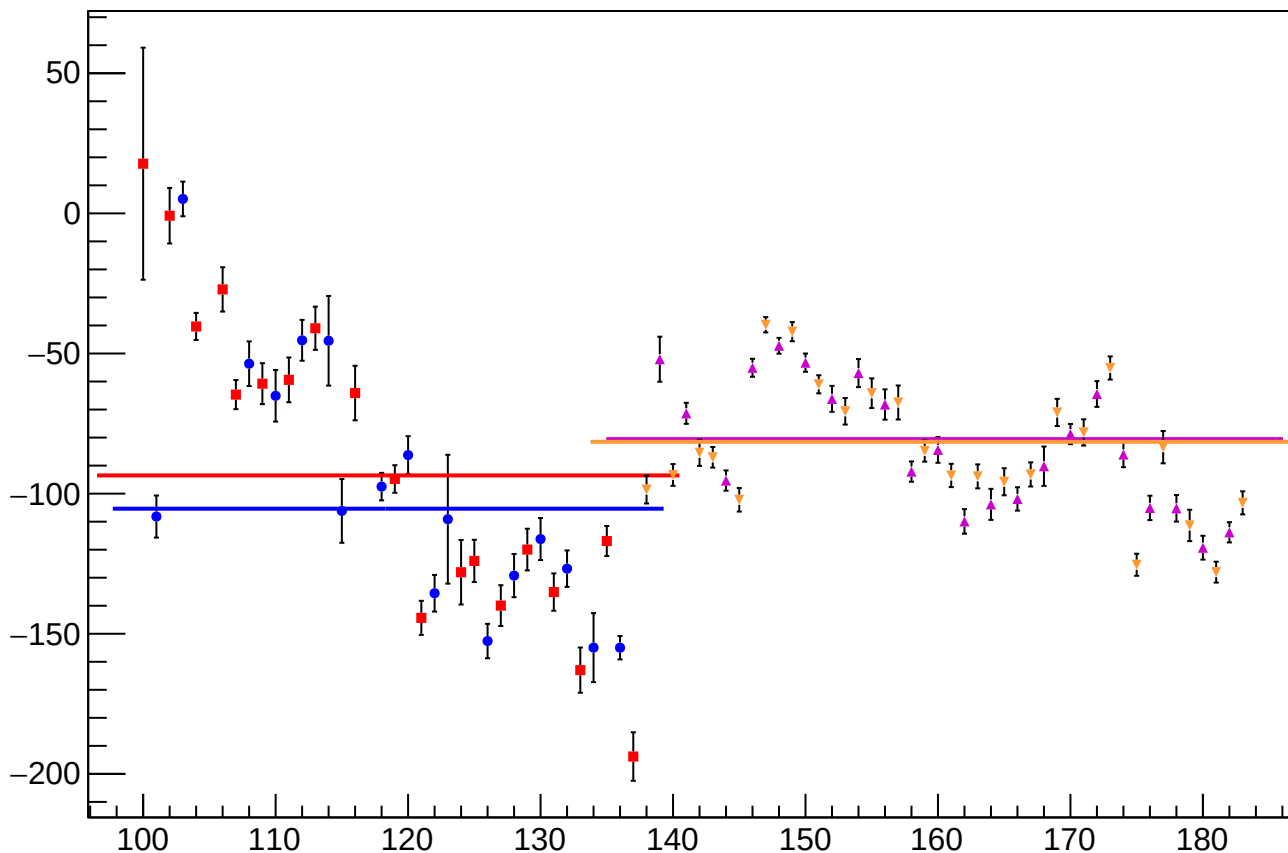
Right: -316.275 ± 1.841 χ^2/NDF : 4157.4/35

In: -260.284 ± 0.940 χ^2/NDF : 4376.4/38

Out: -257.253 ± 0.913 χ^2/NDF : 5001.0/42

All: -258.724 ± 0.655 χ^2/NDF : 9382.8/81

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.376 ± 1.716 χ^2/NDF : 734.7/16

Left Out: -81.507 ± 0.849 χ^2/NDF : 891.4/23

Right Out: -93.504 ± 1.612 χ^2/NDF : 824.8/18

Left In: -80.556 ± 0.880 χ^2/NDF : 687.9/21

Left: -81.049 ± 0.611 χ^2/NDF : 1579.9/45

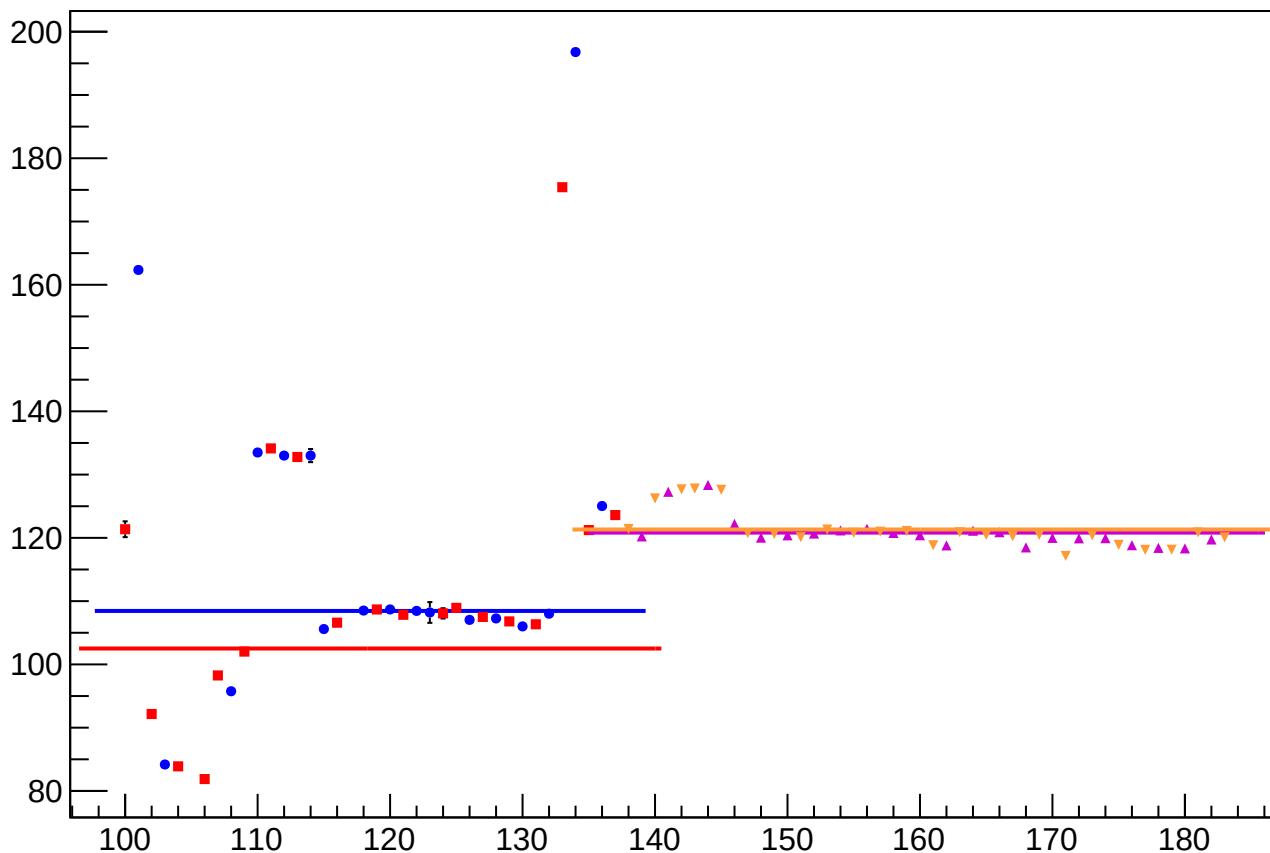
Right: -99.073 ± 1.175 χ^2/NDF : 1584.9/35

In: -85.729 ± 0.783 χ^2/NDF : 1588.3/38

Out: -84.109 ± 0.751 χ^2/NDF : 1759.6/42

All: -84.885 ± 0.542 χ^2/NDF : 3350.1/81

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.450 $\pm$ 0.085 χ^2 /NDF: 73263.0/16

Left Out: 121.325 $\pm$ 0.040 χ^2 /NDF: 4884.1/23

Right Out: 102.510 $\pm$ 0.080 χ^2 /NDF: 52979.9/18

Left In: 120.830 $\pm$ 0.041 χ^2 /NDF: 3363.9/21

Left: 121.081 $\pm$ 0.029 χ^2 /NDF: 8321.4/45

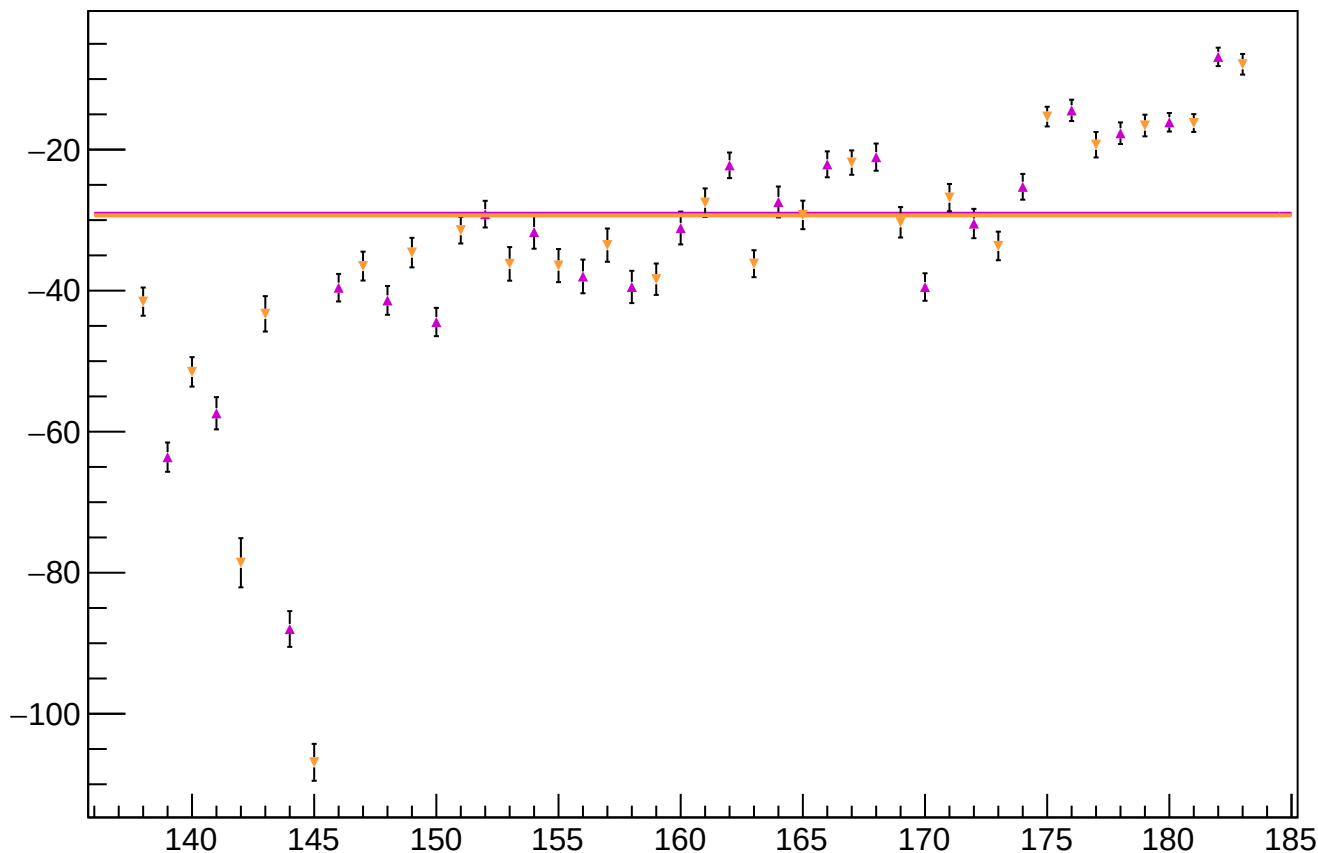
Right: 105.283 $\pm$ 0.058 χ^2 /NDF: 128842.0/35

In: 118.483 $\pm$ 0.037 χ^2 /NDF: 93787.9/38

Out: 117.457 $\pm$ 0.036 χ^2 /NDF: 102244.2/42

All: 117.957 $\pm$ 0.026 χ^2 /NDF: 196425.8/81

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -29.323+/-0.392 χ^2/NDF :1875.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -29.094+/-0.401 χ^2/NDF :1744.4/21

Left: -29.211+/-0.280 χ^2/NDF : 3620.2/45

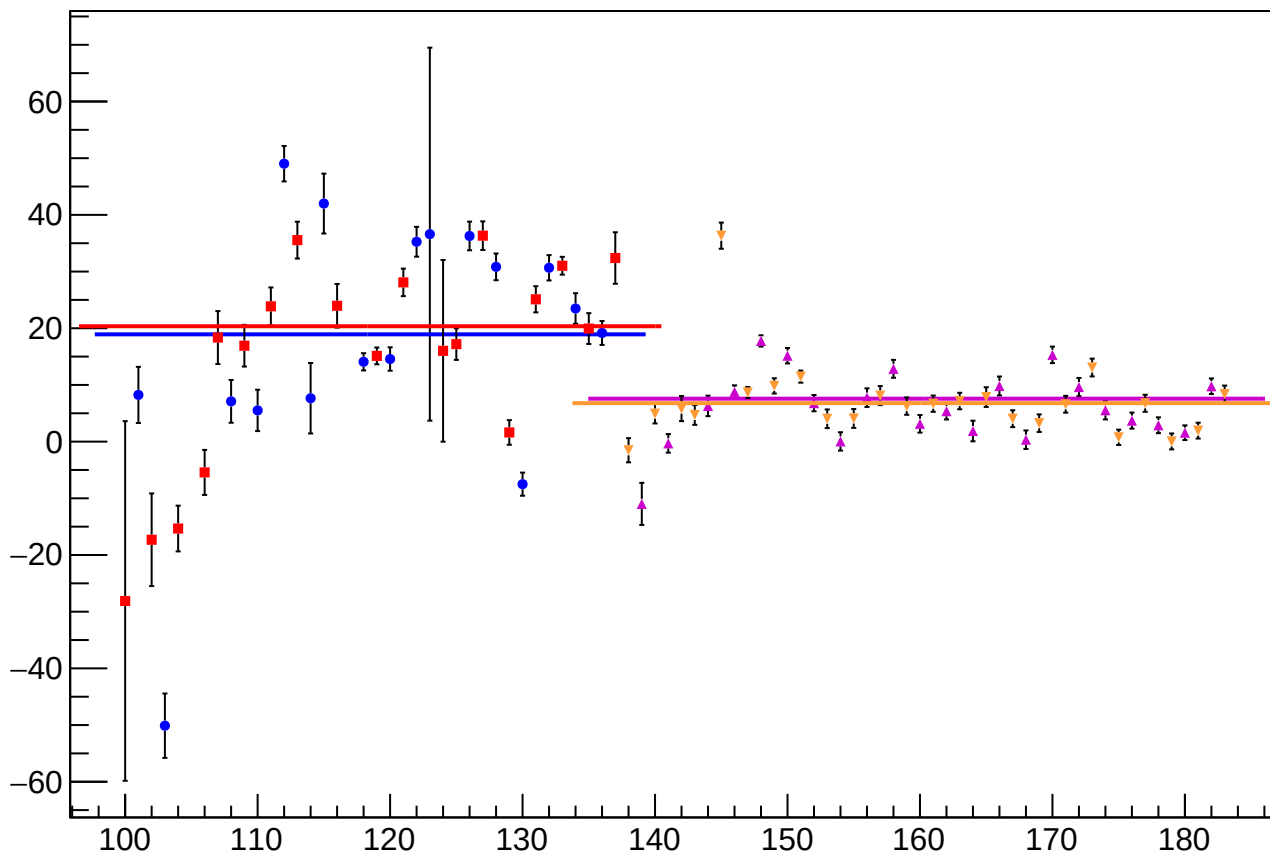
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.094+/-0.401 χ^2/NDF :1744.4/21

Out: -29.323+/-0.392 χ^2/NDF :1875.7/23

All: -29.211+/-0.280 χ^2/NDF : 3620.2/45

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.924 ± 0.654 χ^2/NDF : 616.2/16

Left Out: 6.788 ± 0.305 χ^2/NDF : 297.1/23

Right Out: 20.353 ± 0.643 χ^2/NDF : 364.7/18

Left In: 7.575 ± 0.316 χ^2/NDF : 335.2/21

Left: 7.167 ± 0.219 χ^2/NDF : 635.6/45

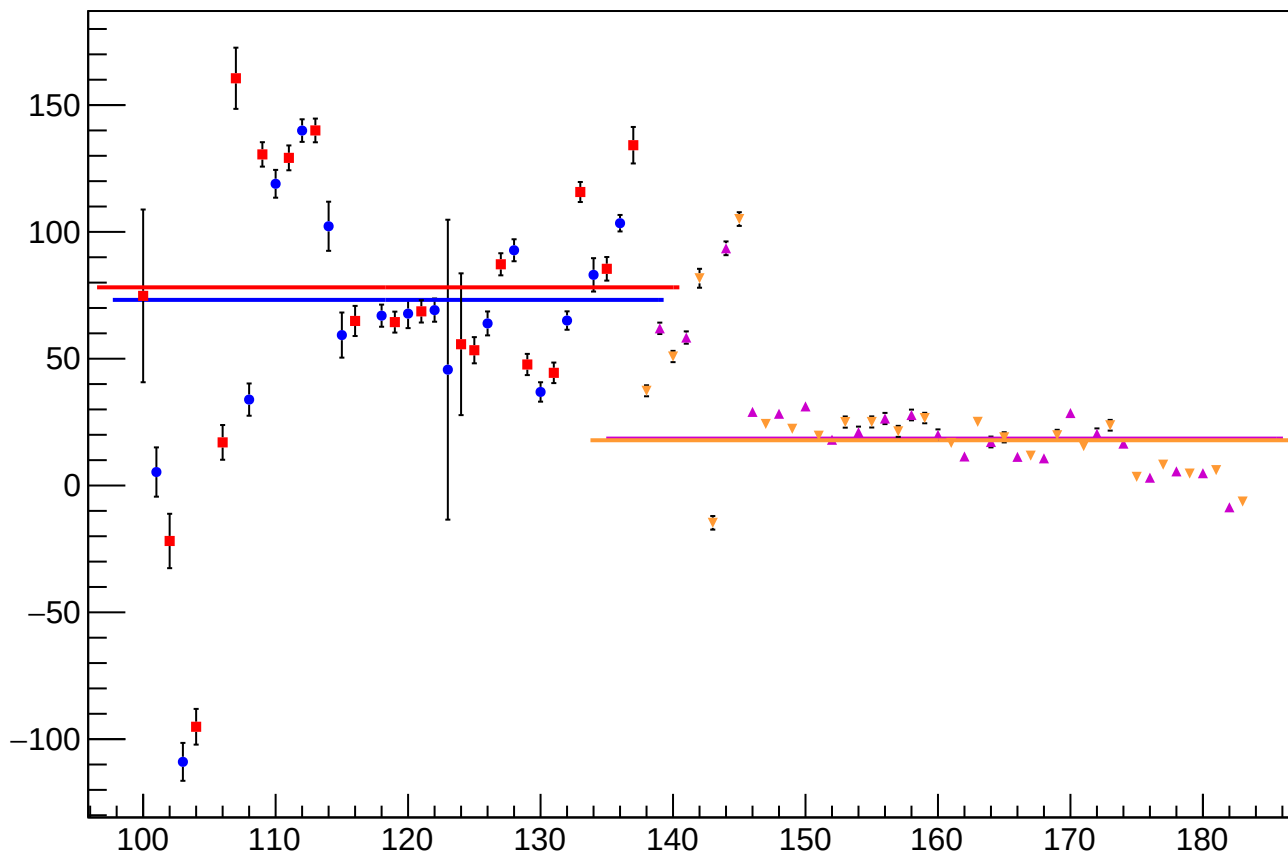
Right: 19.651 ± 0.459 χ^2/NDF : 983.3/35

In: 9.723 ± 0.285 χ^2/NDF : 1195.5/38

Out: 9.278 ± 0.276 χ^2/NDF : 1024.9/42

All: 9.493 ± 0.198 χ^2/NDF : 2221.7/81

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.189 $\pm$ 1.239 χ^2 /NDF: 1199.7/16

Left Out: 17.847 $\pm$ 0.390 χ^2 /NDF:2423.7/23

Right Out: 78.140 $\pm$ 1.225 χ^2 /NDF: 1545.8/18

Left In: 18.502 $\pm$ 0.397 χ^2 /NDF:2306.0/21

Left: 18.168 $\pm$ 0.278 χ^2 /NDF: 4731.1/45

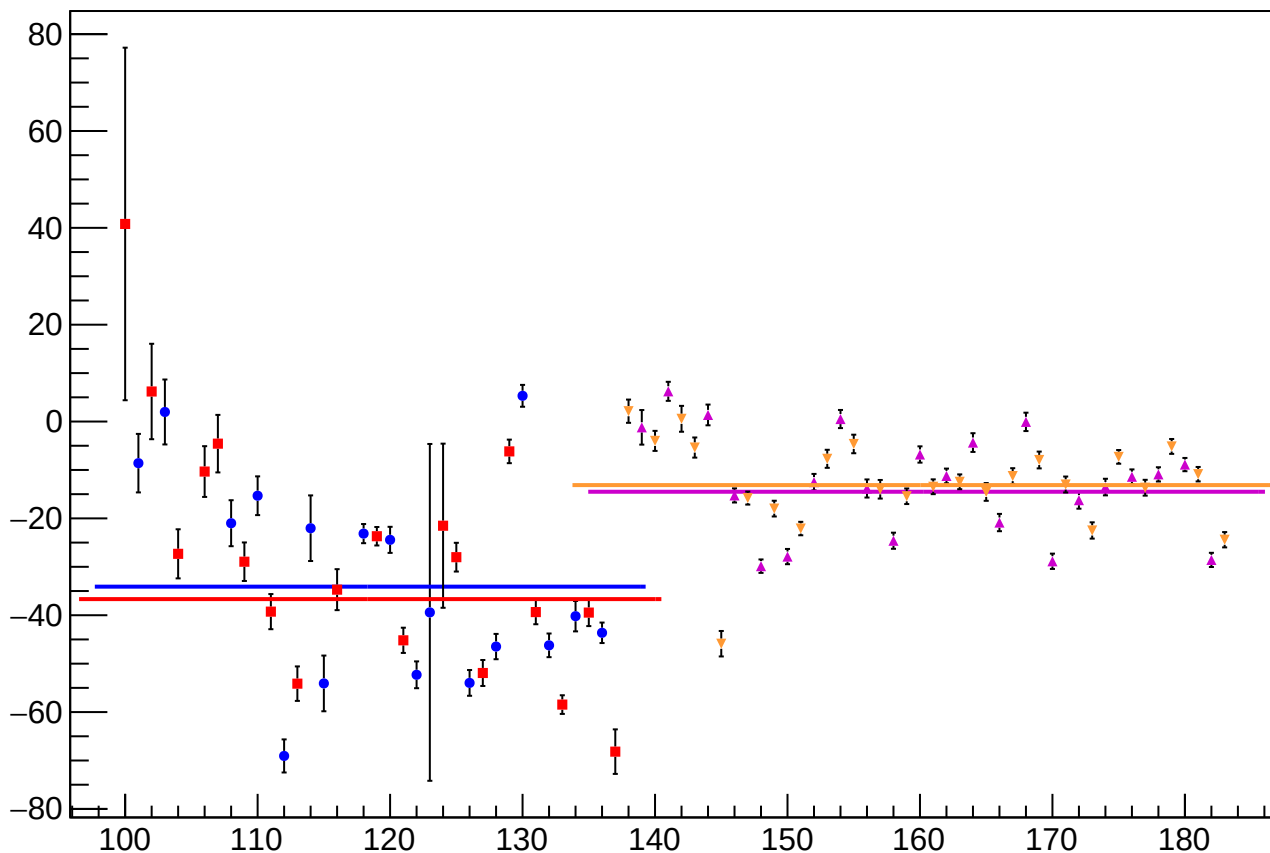
Right: 75.692 $\pm$ 0.871 χ^2 /NDF: 2753.6/35

In: 23.602 $\pm$ 0.378 χ^2 /NDF:5272.9/38

Out: 23.401 $\pm$ 0.372 χ^2 /NDF:6168.4/42

All: 23.500 $\pm$ 0.265 χ^2 /NDF: 11441.4/81

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.097 ± 0.746 χ^2/NDF : 714.9/16

Left Out: -13.126 ± 0.347 χ^2/NDF : 479.5/23

Right Out: -36.670 ± 0.737 χ^2/NDF : 542.9/18

Left In: -14.499 ± 0.357 χ^2/NDF : 804.4/21

Left: -13.791 ± 0.249 χ^2/NDF : 1291.5/45

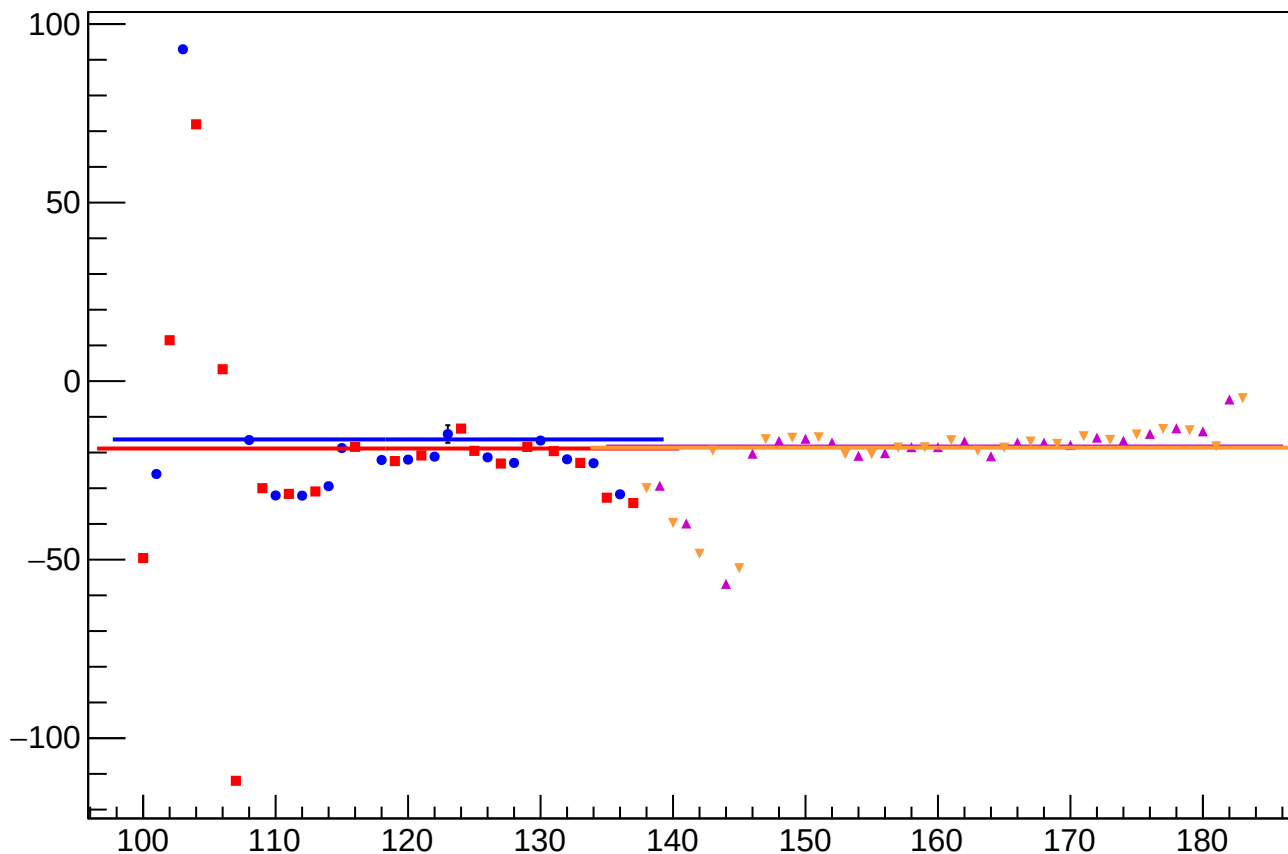
Right: -35.399 ± 0.524 χ^2/NDF : 1263.7/35

In: -18.155 ± 0.322 χ^2/NDF : 2080.3/38

Out: -17.387 ± 0.314 χ^2/NDF : 1857.6/42

All: -17.761 ± 0.225 χ^2/NDF : 3940.8/81

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.329 ± 0.045 $\chi^2/\text{NDF}: 474104.2/16$

Left Out: -18.640 ± 0.016 $\chi^2/\text{NDF}: 266438.8/23$

Right Out: -18.876 ± 0.045 $\chi^2/\text{NDF}: 433788.6/18$

Left In: -18.322 ± 0.016 $\chi^2/\text{NDF}: 231263.8/21$

Left: -18.483 ± 0.011 $\chi^2/\text{NDF}: 497895.8/45$

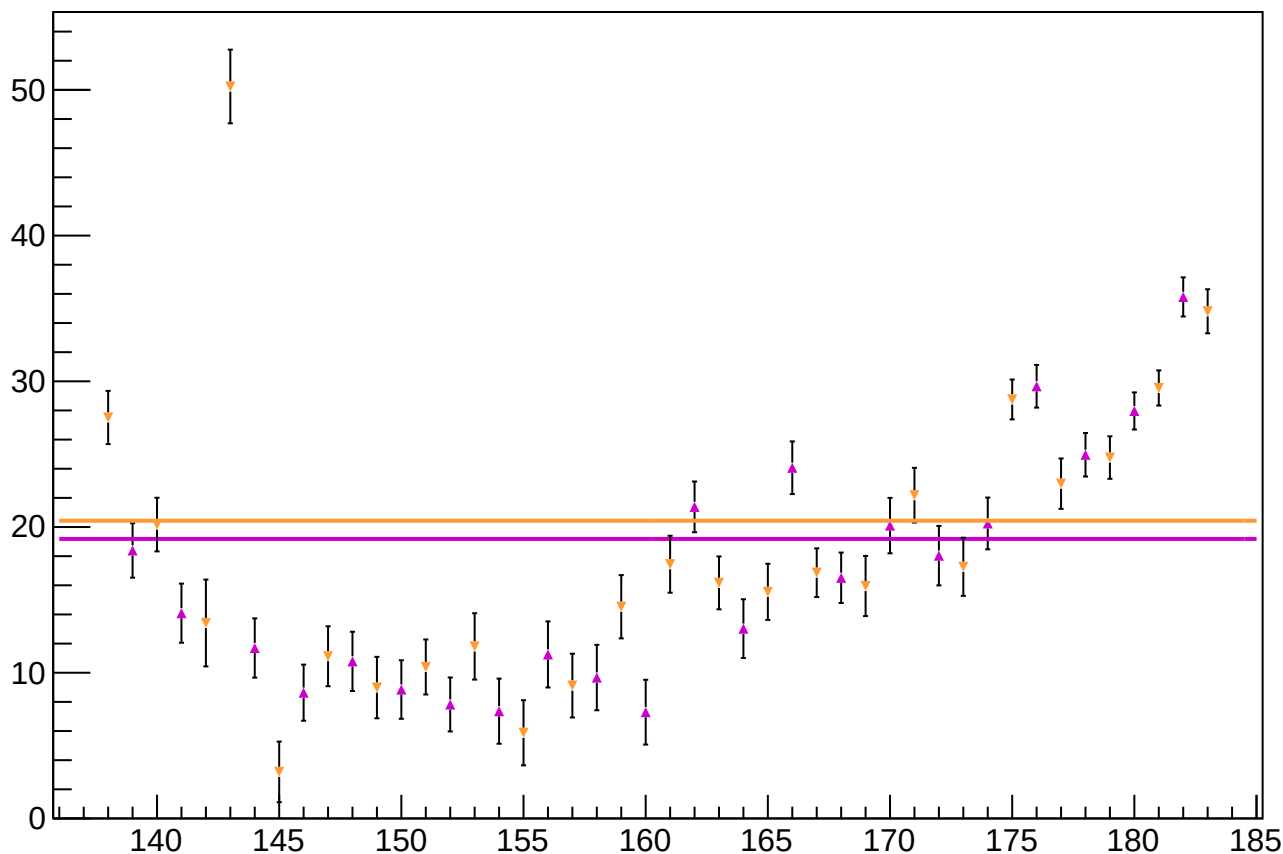
Right: -17.584 ± 0.032 $\chi^2/\text{NDF}: 909491.7/35$

In: -18.090 ± 0.015 $\chi^2/\text{NDF}: 707124.7/38$

Out: -18.666 ± 0.015 $\chi^2/\text{NDF}: 700251.4/42$

All: -18.381 ± 0.011 $\chi^2/\text{NDF}: 1408095.5/81$

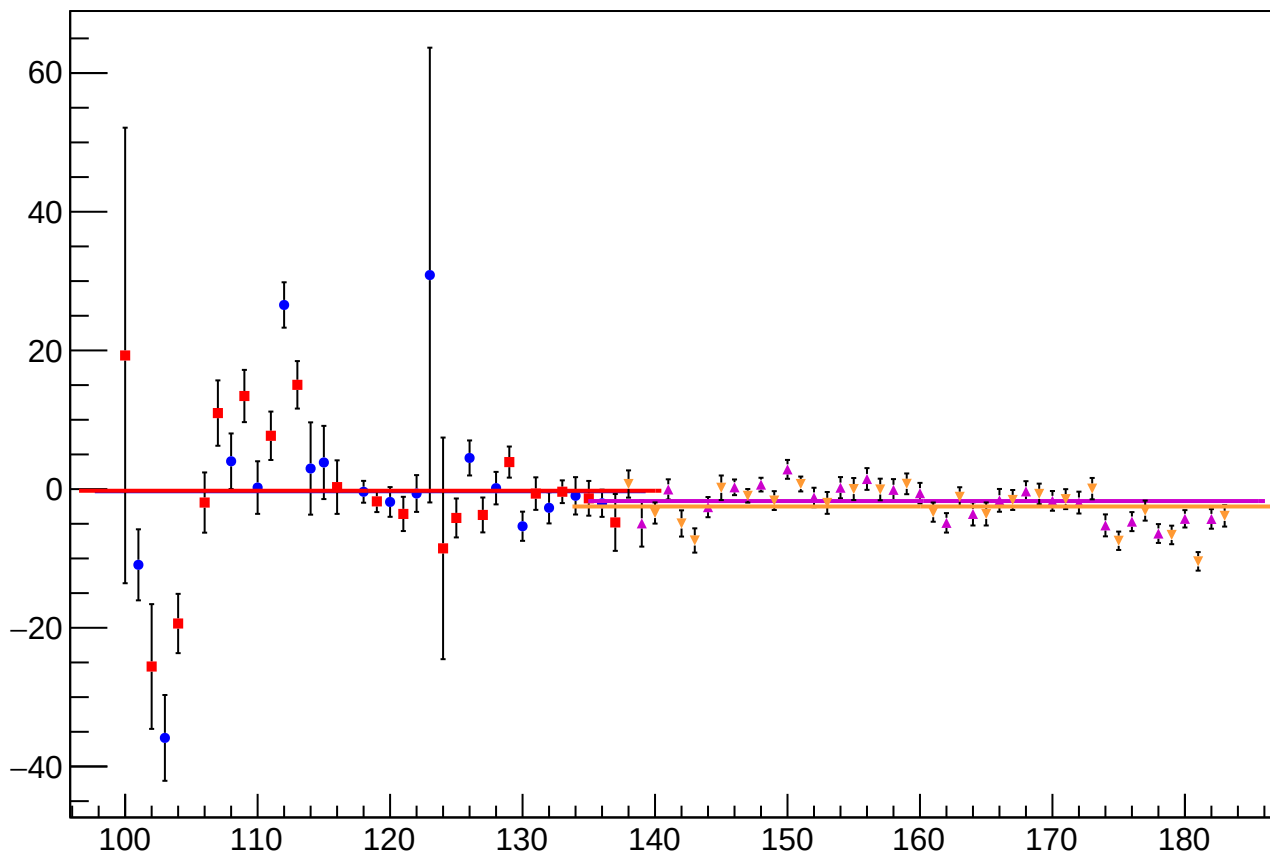
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 20.433 $\pm$ 0.376 χ^2/NDF :619.8/23
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 19.823 $\pm$ 0.269 χ^2/NDF :506.3/21

Left: 19.823 $\pm$ 0.269 χ^2/NDF : 1131.5/45
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 19.184 $\pm$ 0.385 χ^2/NDF :506.3/21
 Out: 20.433 $\pm$ 0.376 χ^2/NDF :619.8/23
 All: 19.823 $\pm$ 0.269 χ^2/NDF : 1131.5/45

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.309 ± 0.663 χ^2/NDF : 119.6/16

Left Out: -2.507 ± 0.294 χ^2/NDF : 103.2/23

Right Out: -0.237 ± 0.657 χ^2/NDF : 84.2/18

Left In: -1.721 ± 0.304 χ^2/NDF : 66.4/21

Left: -2.128 ± 0.211 χ^2/NDF : 173.0/45

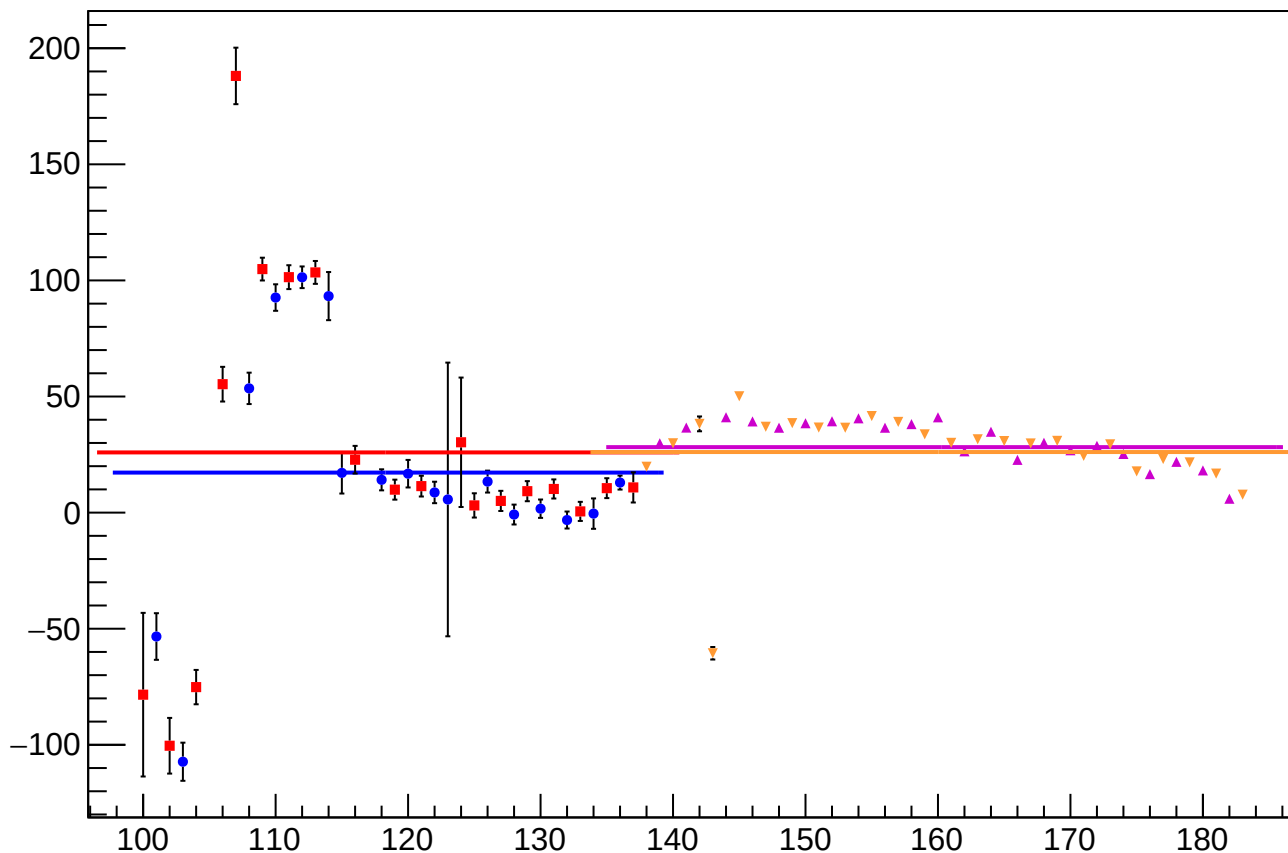
Right: -0.273 ± 0.467 χ^2/NDF : 203.8/35

In: -1.475 ± 0.277 χ^2/NDF : 189.7/38

Out: -2.129 ± 0.268 χ^2/NDF : 197.3/42

All: -1.812 ± 0.193 χ^2/NDF : 389.9/81

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.239 ± 1.249 χ^2/NDF : 940.3/16

Left Out: 26.090 ± 0.375 χ^2/NDF : 1699.5/23

Right Out: 25.926 ± 1.246 χ^2/NDF : 1374.8/18

Left In: 28.200 ± 0.382 χ^2/NDF : 713.5/21

Left: 27.125 ± 0.268 χ^2/NDF : 2428.5/45

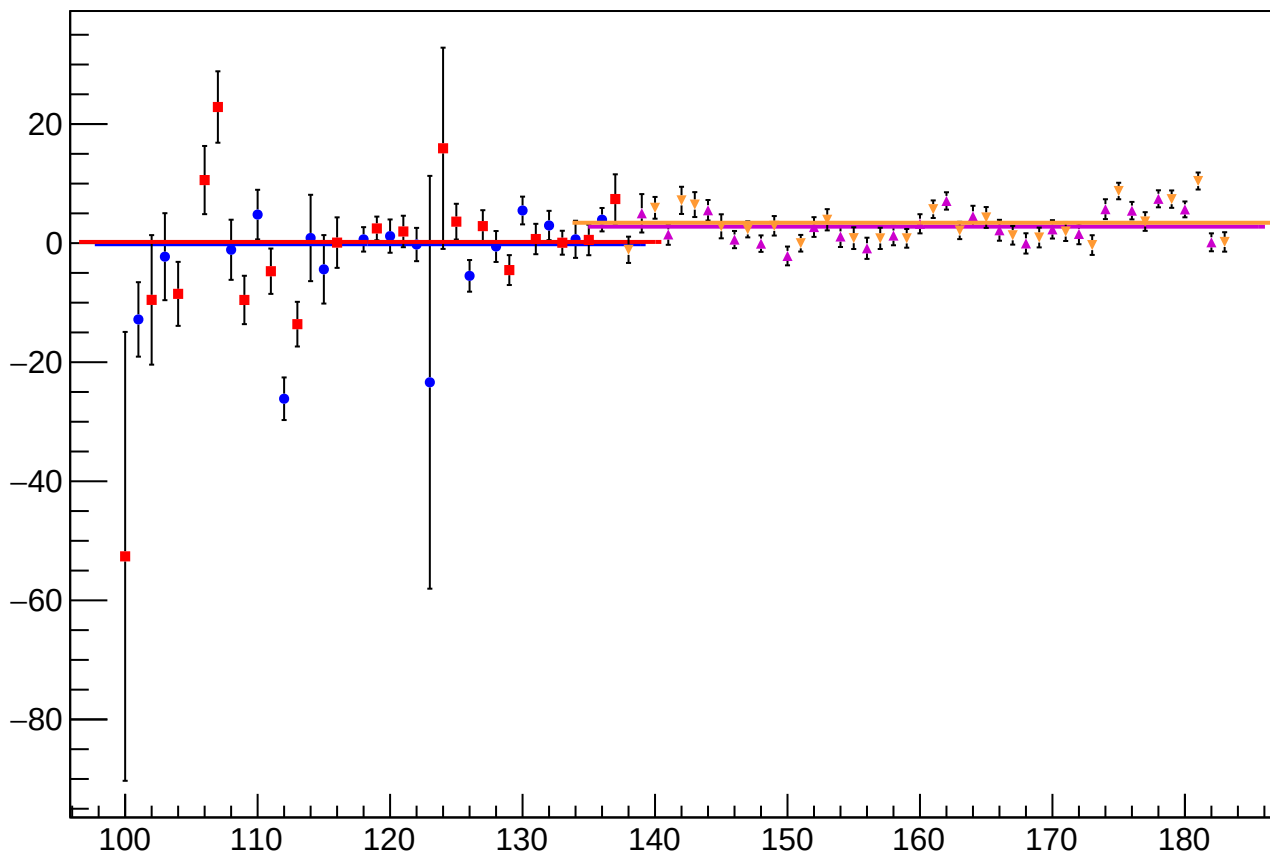
Right: 21.595 ± 0.882 χ^2/NDF : 2339.4/35

In: 27.262 ± 0.365 χ^2/NDF : 1724.3/38

Out: 26.077 ± 0.359 χ^2/NDF : 3074.3/42

All: 26.658 ± 0.256 χ^2/NDF : 4803.9/81

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.183 ± 0.753 χ^2/NDF : 75.7/16

Left Out: 3.423 ± 0.334 χ^2/NDF : 88.5/23

Right Out: 0.202 ± 0.750 χ^2/NDF : 55.4/18

Left In: 2.771 ± 0.344 χ^2/NDF : 63.9/21

Left: 3.107 ± 0.239 χ^2/NDF : 154.3/45

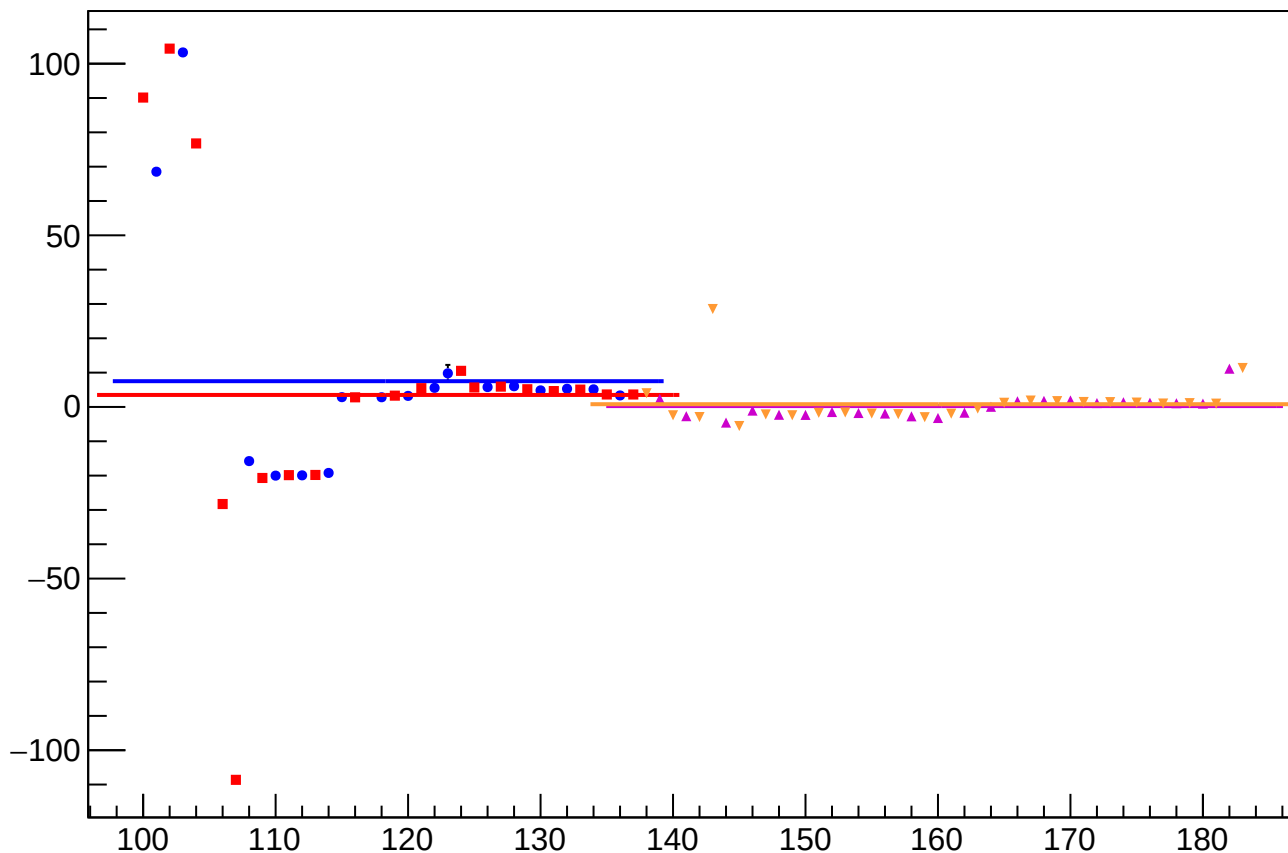
Right: 0.010 ± 0.531 χ^2/NDF : 131.2/35

In: 2.261 ± 0.313 χ^2/NDF : 152.3/38

Out: 2.891 ± 0.305 χ^2/NDF : 159.4/42

All: 2.584 ± 0.218 χ^2/NDF : 313.7/81

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.507 ± 0.045 $\chi^2/\text{NDF}: 355810.5/16$

Left Out: 0.800 ± 0.015 $\chi^2/\text{NDF}: 109758.3/23$

Right Out: 3.499 ± 0.046 $\chi^2/\text{NDF}: 510576.0/18$

Left In: 0.254 ± 0.016 $\chi^2/\text{NDF}: 41673.3/21$

Left: 0.531 ± 0.011 $\chi^2/\text{NDF}: 152056.2/45$

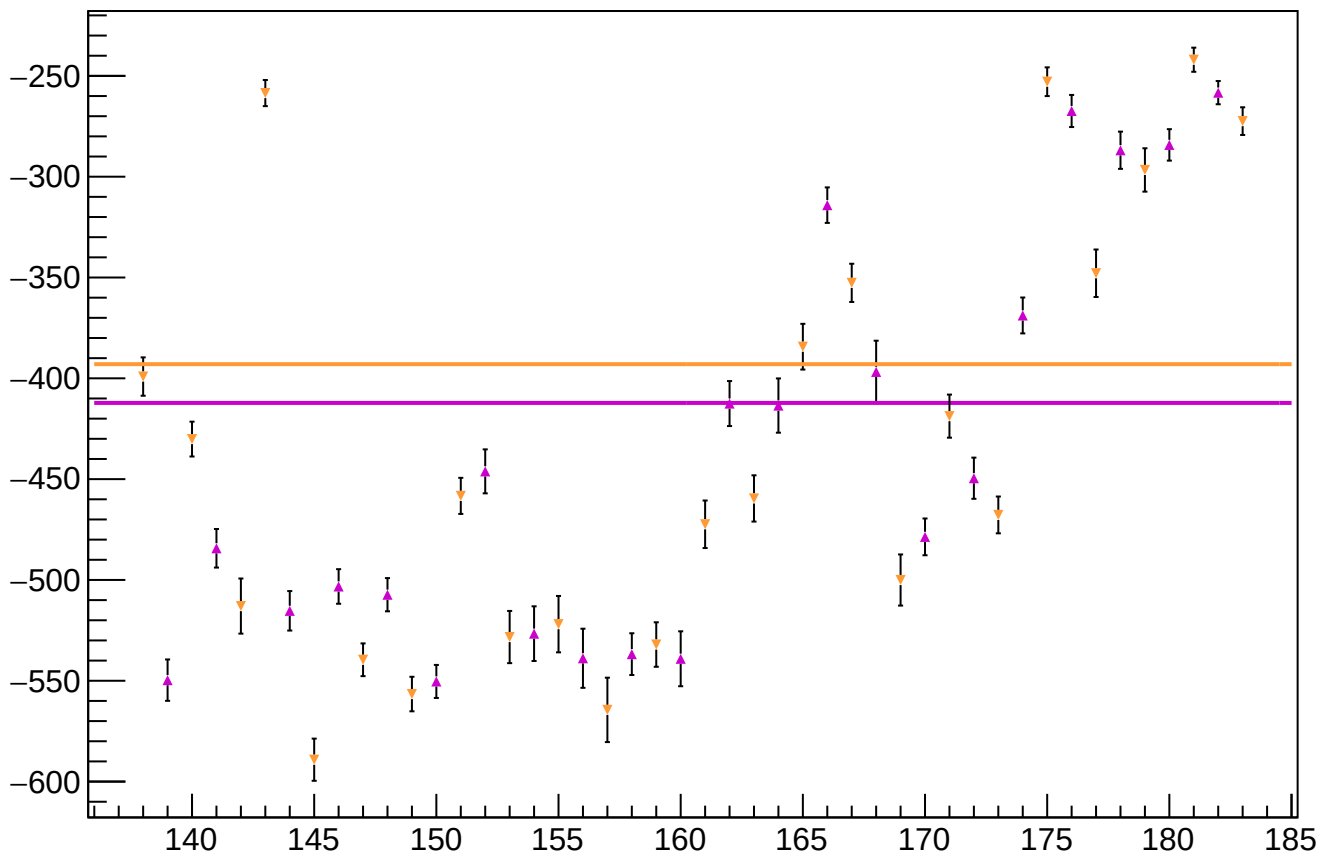
Right: 5.547 ± 0.032 $\chi^2/\text{NDF}: 870320.0/35$

In: 1.039 ± 0.015 $\chi^2/\text{NDF}: 420976.8/38$

Out: 1.073 ± 0.015 $\chi^2/\text{NDF}: 623469.5/42$

All: 1.056 ± 0.010 $\chi^2/\text{NDF}: 1044449.0/81$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -392.981+/-1.915 χ^2/NDF :3761.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -412.204+/-2.015 χ^2/NDF :2977.7/21

Left: -402.102+/-1.388 χ^2/NDF : 6786.7/45

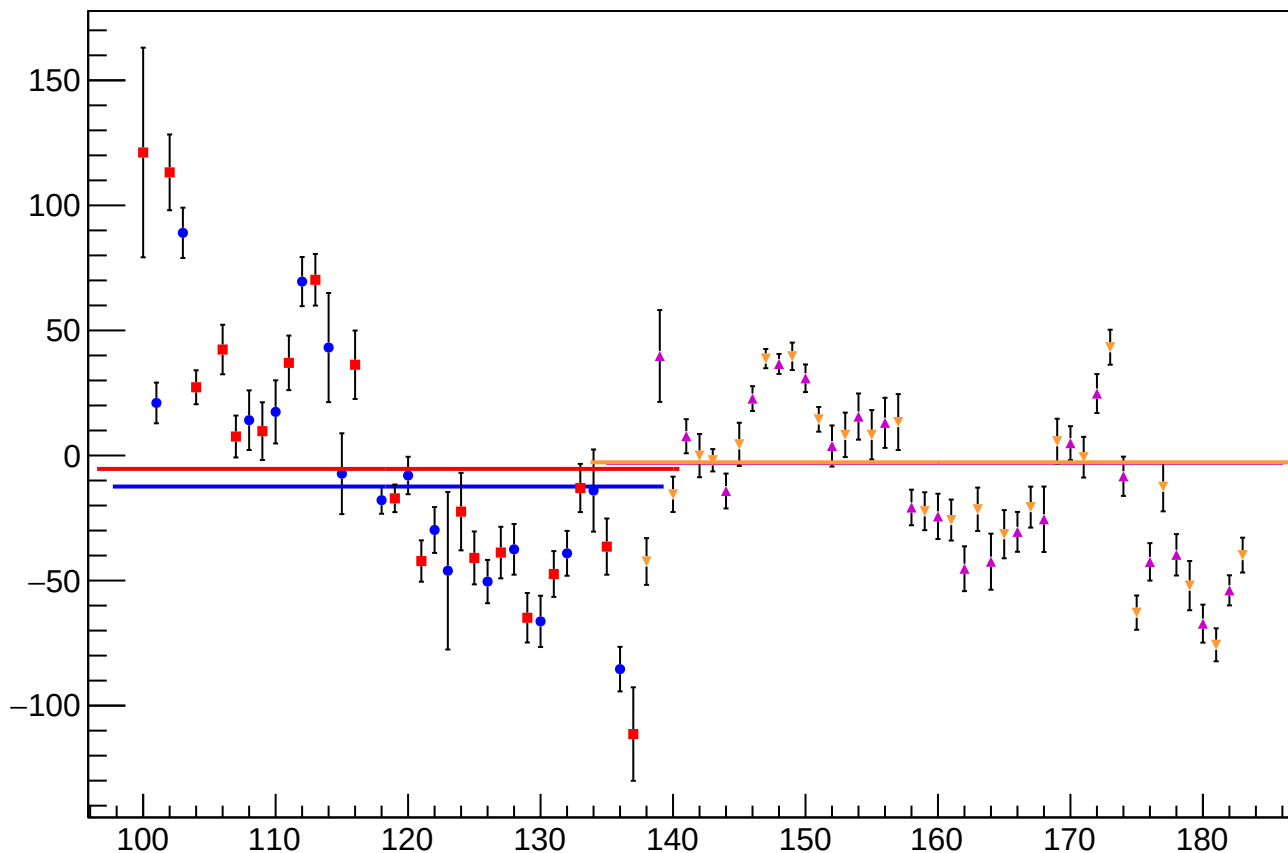
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -412.204+/-2.015 χ^2/NDF :2977.7/21

Out: -392.981+/-1.915 χ^2/NDF :3761.1/23

All: -402.102+/-1.388 χ^2/NDF : 6786.7/45

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.408 ± 2.353 χ^2/NDF : 340.6/16

Left Out: -2.728 ± 1.434 χ^2/NDF : 546.4/23

Right Out: -5.355 ± 2.261 χ^2/NDF : 344.1/18

Left In: -2.975 ± 1.537 χ^2/NDF : 447.1/21

Left: -2.843 ± 1.048 χ^2/NDF : 993.5/45

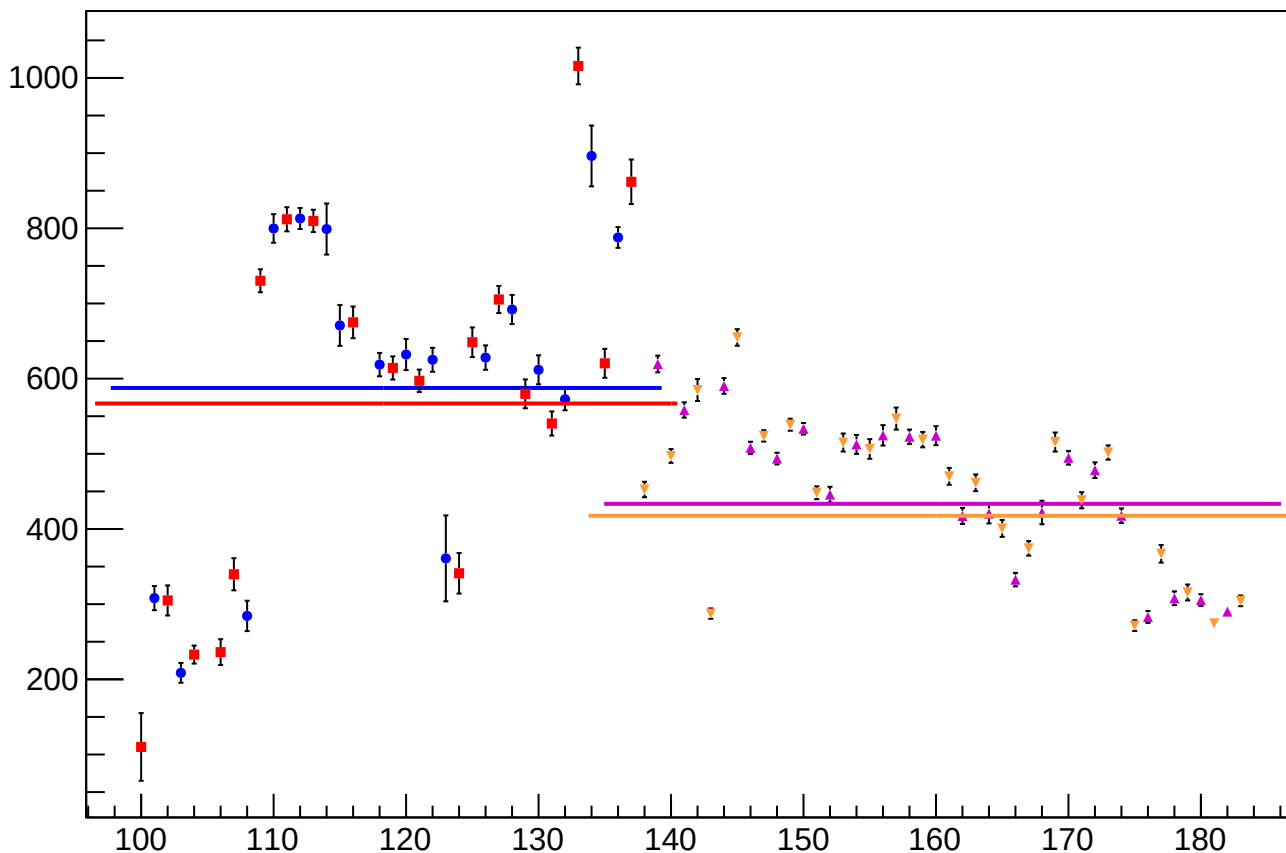
Right: -8.741 ± 1.631 χ^2/NDF : 689.4/35

In: -5.796 ± 1.287 χ^2/NDF : 799.0/38

Out: -3.481 ± 1.211 χ^2/NDF : 891.4/42

All: -4.568 ± 0.882 χ^2/NDF : 1692.1/81

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.620 $\pm$ 4.361 χ^2 /NDF: 2127.1/16

Left Out: 417.601 $\pm$ 1.921 χ^2 /NDF:3278.0/23

Right Out: 566.959 $\pm$ 4.142 χ^2 /NDF: 2782.6/18

Left In: 433.486 $\pm$ 2.003 χ^2 /NDF:2788.3/21

Left: 425.211 $\pm$ 1.387 χ^2 /NDF: 6099.0/45

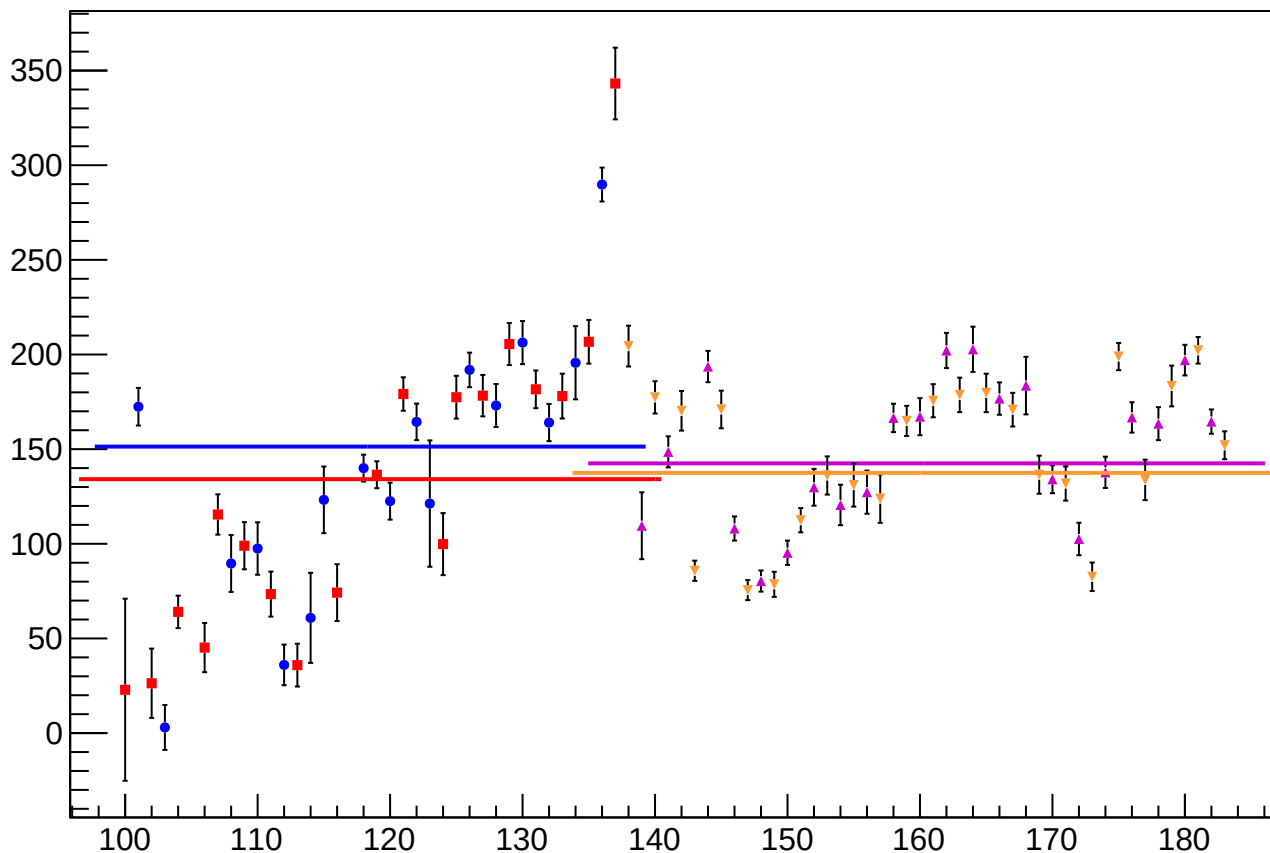
Right: 576.758 $\pm$ 3.004 χ^2 /NDF: 4921.6/35

In: 460.342 $\pm$ 1.821 χ^2 /NDF:5946.7/38

Out: 444.044 $\pm$ 1.743 χ^2 /NDF:7130.5/42

All: 451.838 $\pm$ 1.259 χ^2 /NDF: 13119.1/81

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.359 $\pm$ 2.715 χ^2 /NDF: 632.2/16

Left Out: 137.475 $\pm$ 1.664 χ^2 /NDF:723.6/23

Right Out: 134.147 $\pm$ 2.620 χ^2 /NDF: 582.9/18

Left In: 142.479 $\pm$ 1.767 χ^2 /NDF:459.3/21

Left: 139.827 $\pm$ 1.211 χ^2 /NDF: 1187.2/45

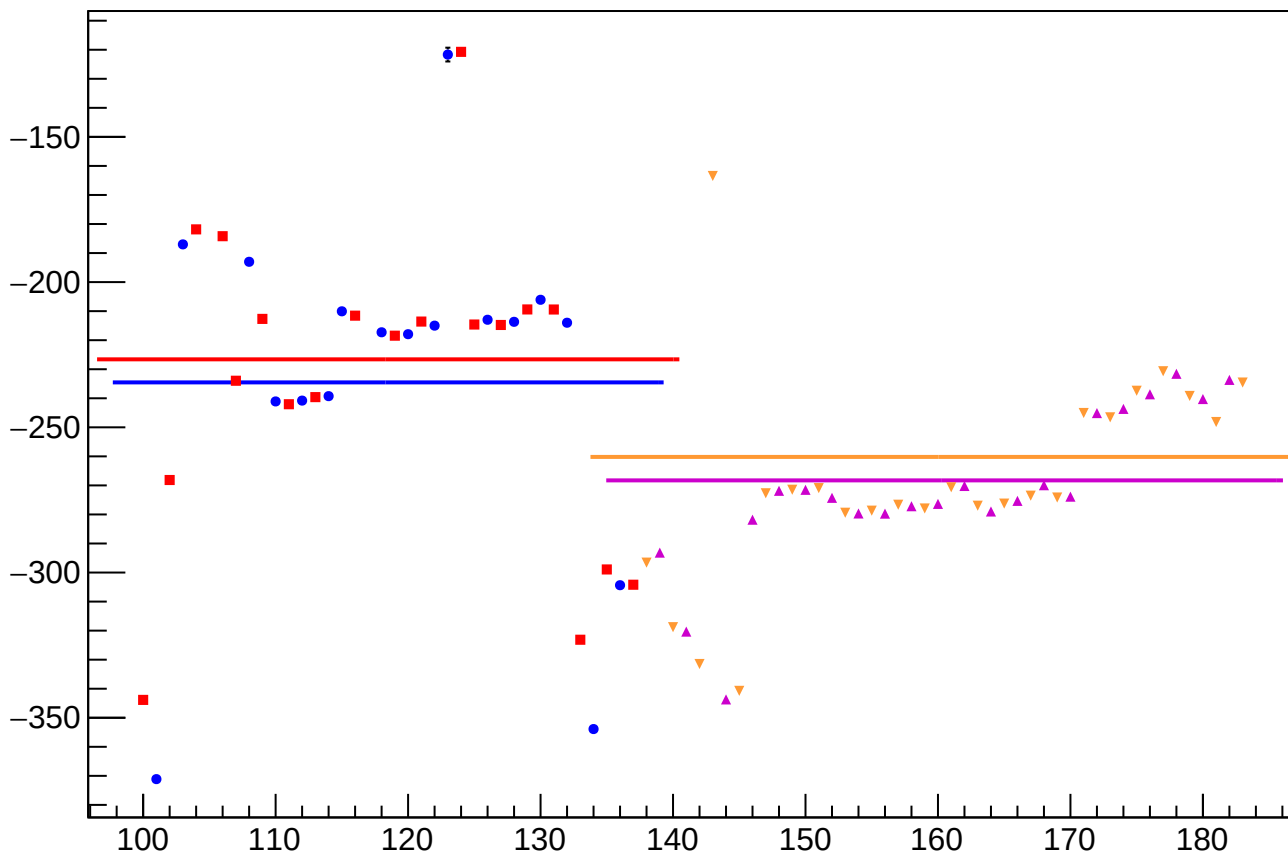
Right: 142.445 $\pm$ 1.885 χ^2 /NDF: 1235.9/35

In: 145.120 $\pm$ 1.481 χ^2 /NDF:1099.1/38

Out: 136.519 $\pm$ 1.405 χ^2 /NDF:1307.7/42

All: 140.592 $\pm$ 1.019 χ^2 /NDF: 2424.5/81

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.530+/-0.149 χ^2/NDF : 145014.5/16

Left Out: -260.190+/-0.080 χ^2/NDF :235514.5/23

Right Out: -226.593+/-0.142 χ^2/NDF : 98973.6/18

Left In: -268.267+/-0.083 χ^2/NDF :94366.9/21

Left: -264.087+/-0.058 χ^2/NDF : 334798.1/45

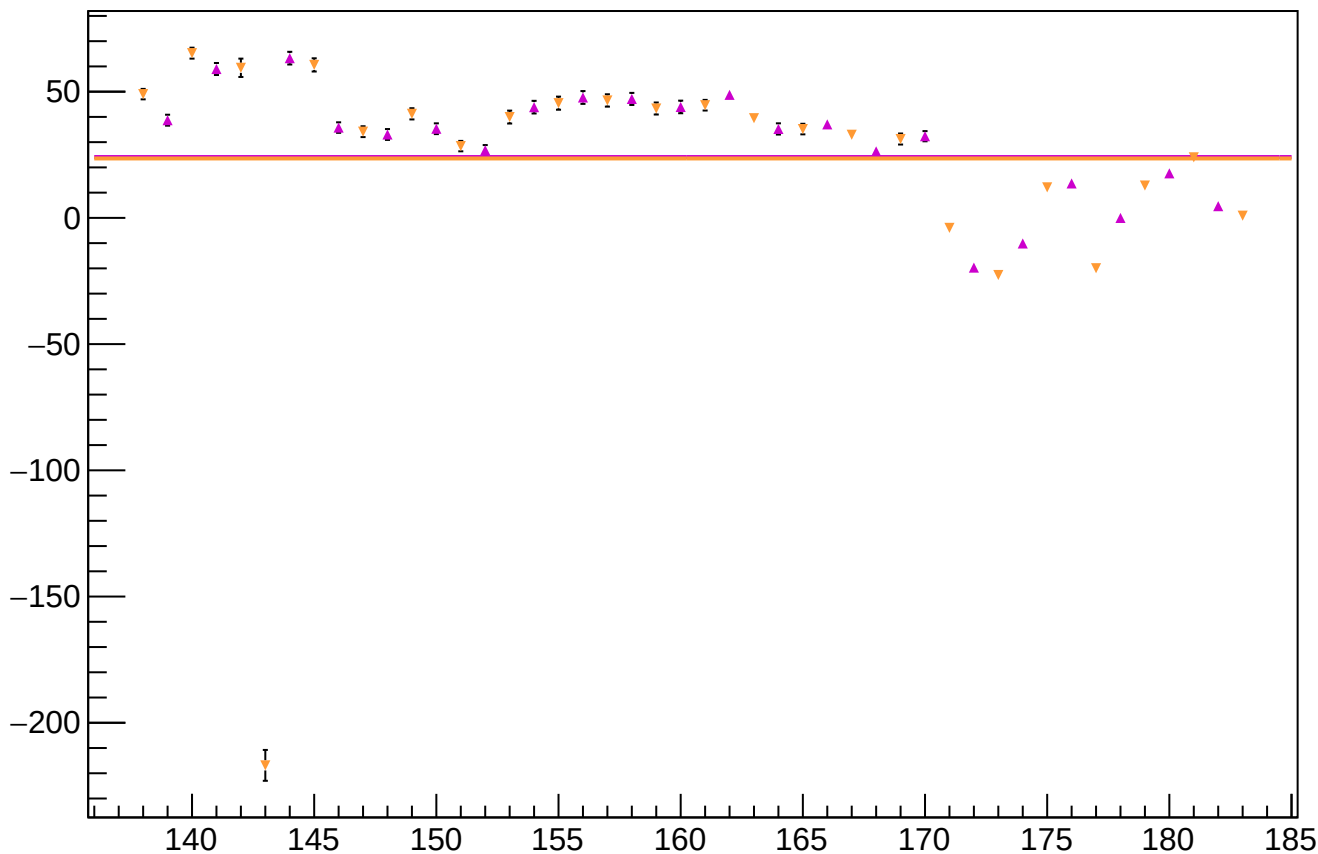
Right: -230.352+/-0.103 χ^2/NDF : 245477.8/35

In: -260.314+/-0.072 χ^2/NDF :278452.2/38

Out: -252.053+/-0.070 χ^2/NDF :377187.0/42

All: -256.021+/-0.050 χ^2/NDF : 662395.4/81

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 23.542+/-0.402 χ^2/NDF : 4621.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 24.105+/-0.407 χ^2/NDF : 2548.2/21

Left: 23.820+/-0.286 χ^2/NDF : 7170.6/45

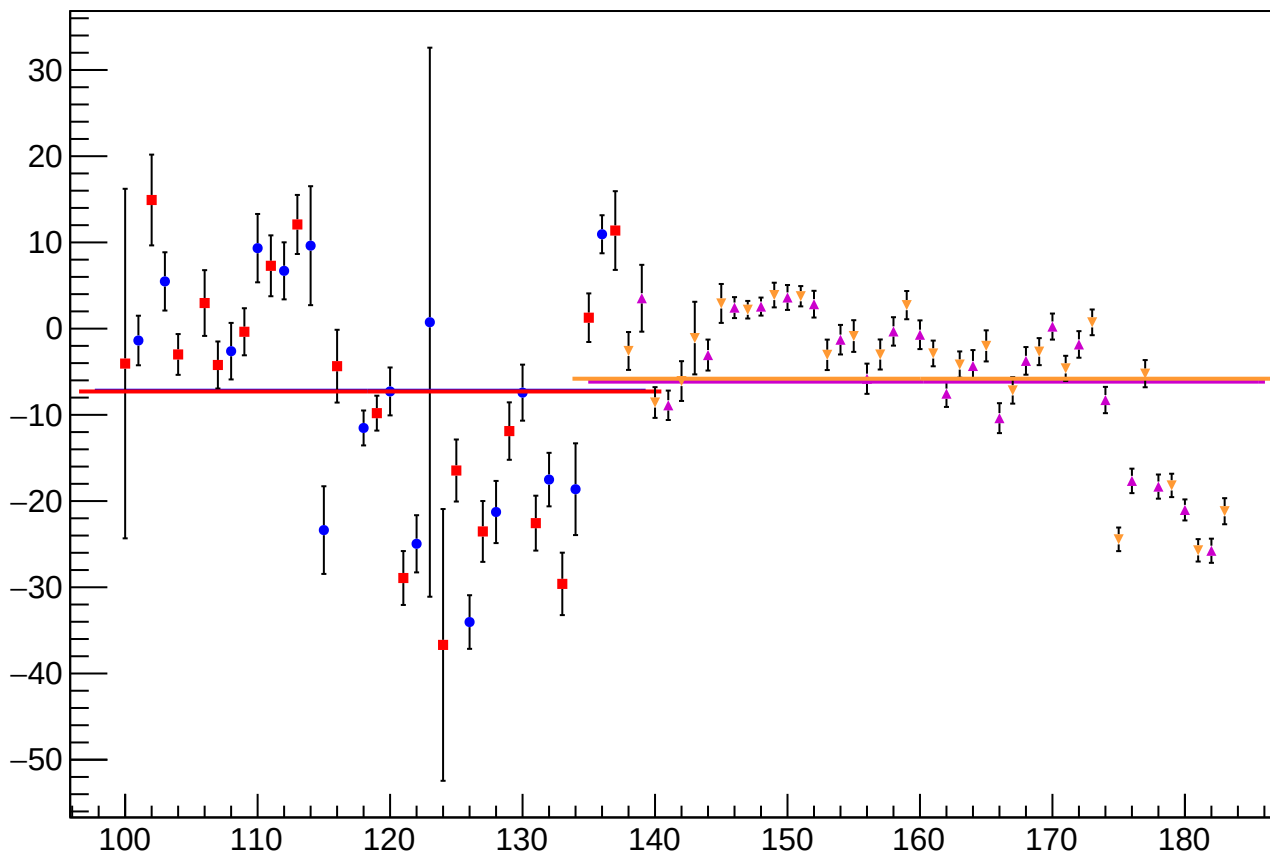
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 24.105+/-0.407 χ^2/NDF : 2548.2/21

Out: 23.542+/-0.402 χ^2/NDF : 4621.4/23

All: 23.820+/-0.286 χ^2/NDF : 7170.6/45

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.201 ± 0.790 χ^2/NDF : 277.5/16

Left Out: -5.808 ± 0.318 χ^2/NDF : 874.5/23

Right Out: -7.289 ± 0.762 χ^2/NDF : 255.0/18

Left In: -6.148 ± 0.324 χ^2/NDF : 764.9/21

Left: -5.974 ± 0.227 χ^2/NDF : 1639.9/45

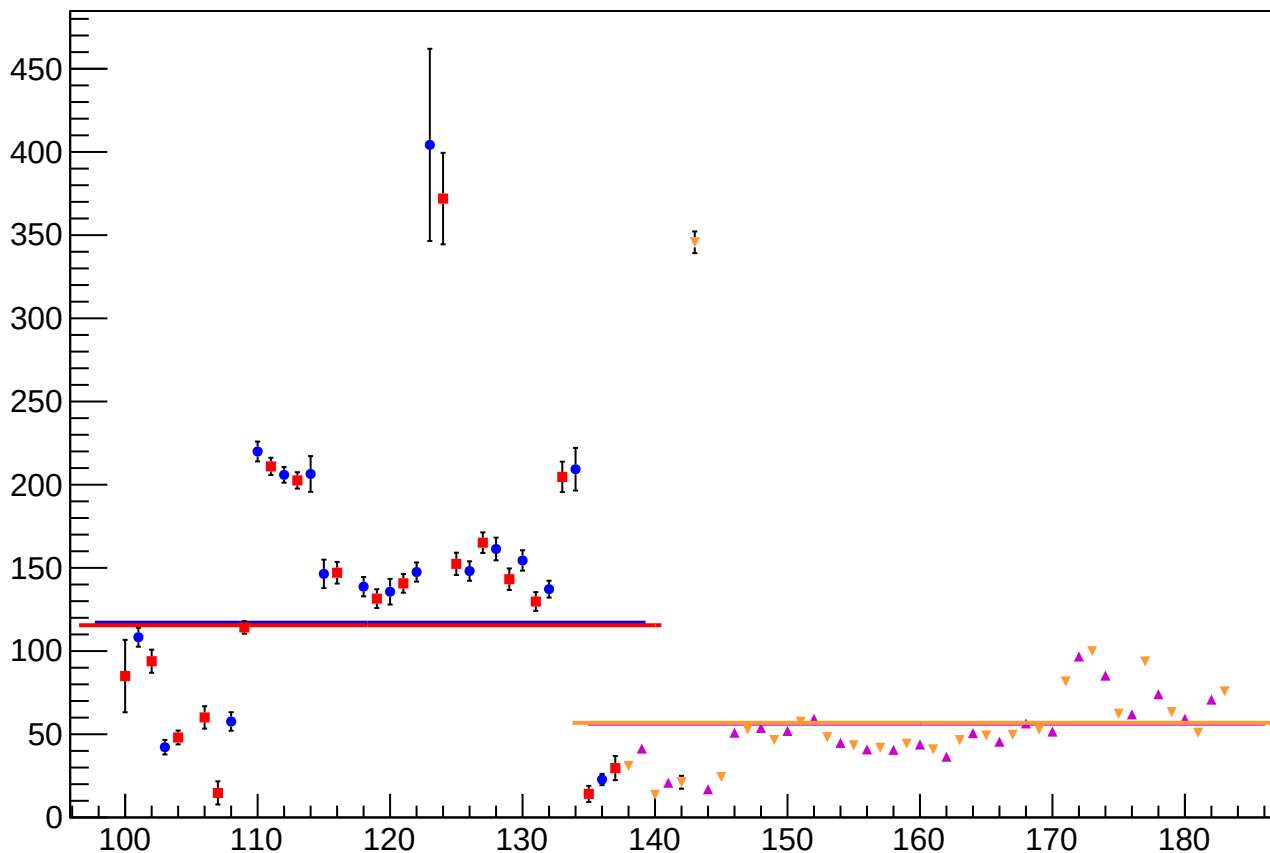
Right: -7.247 ± 0.548 χ^2/NDF : 532.5/35

In: -6.299 ± 0.300 χ^2/NDF : 1043.9/38

Out: -6.028 ± 0.293 χ^2/NDF : 1132.7/42

All: -6.160 ± 0.210 χ^2/NDF : 2177.0/81

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.046 $\pm$ 1.419 χ^2 /NDF: 2159.0/16

Left Out: 56.884 $\pm$ 0.401 χ^2 /NDF:4167.1/23

Right Out: 115.529 $\pm$ 1.363 χ^2 /NDF: 2135.6/18

Left In: 56.377 $\pm$ 0.405 χ^2 /NDF:1667.9/21

Left: 56.633 $\pm$ 0.285 χ^2 /NDF: 5835.8/45

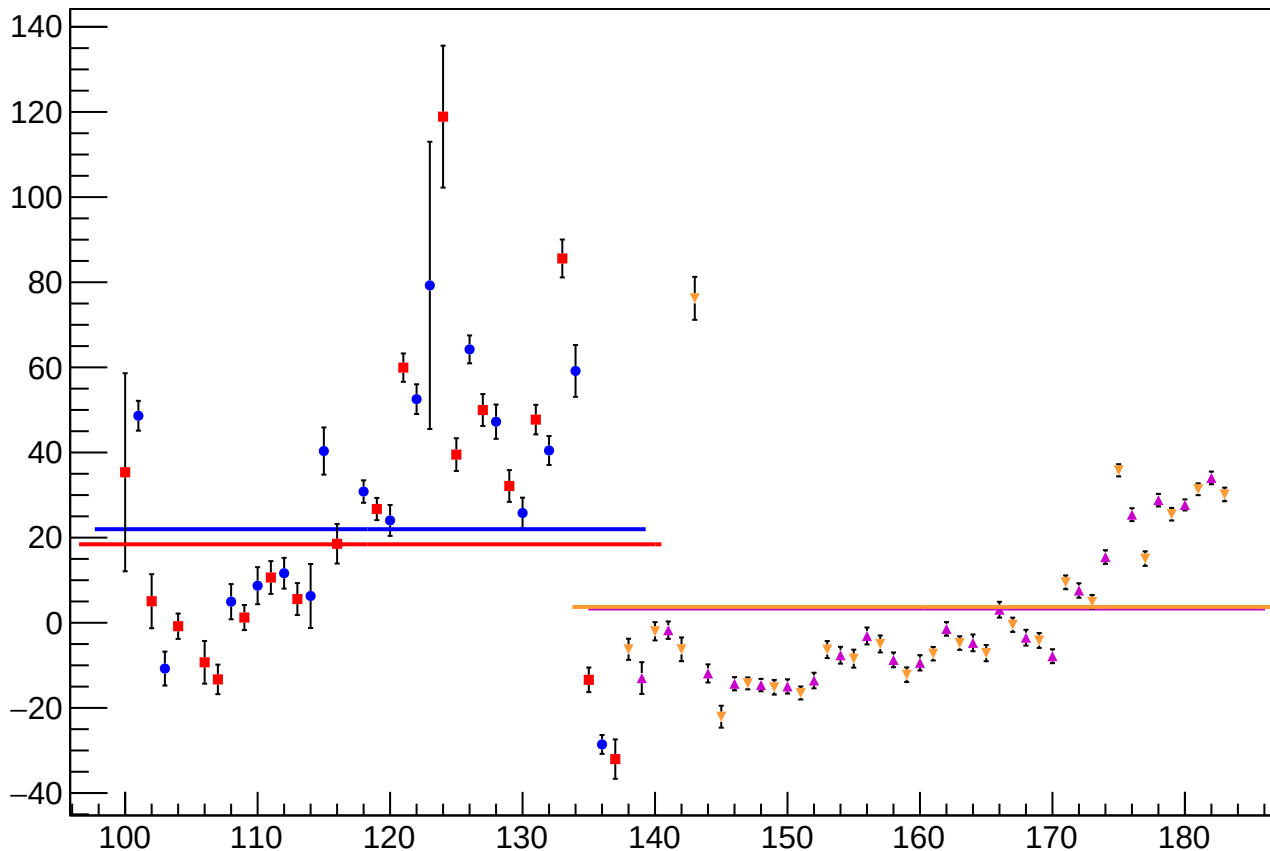
Right: 116.257 $\pm$ 0.983 χ^2 /NDF: 4295.2/35

In: 60.943 $\pm$ 0.389 χ^2 /NDF:5516.8/38

Out: 61.560 $\pm$ 0.385 χ^2 /NDF:8006.4/42

All: 61.255 $\pm$ 0.274 χ^2 /NDF: 13524.5/81

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.981 $\pm$ 0.900 χ^2 /NDF: 1061.2/16

Left Out: 3.720 $\pm$ 0.360 χ^2 /NDF:2541.0/23

Right Out: 18.432 $\pm$ 0.873 χ^2 /NDF: 1066.0/18

Left In: 3.352 $\pm$ 0.366 χ^2 /NDF:2131.4/21

Left: 3.539 $\pm$ 0.256 χ^2 /NDF: 4673.0/45

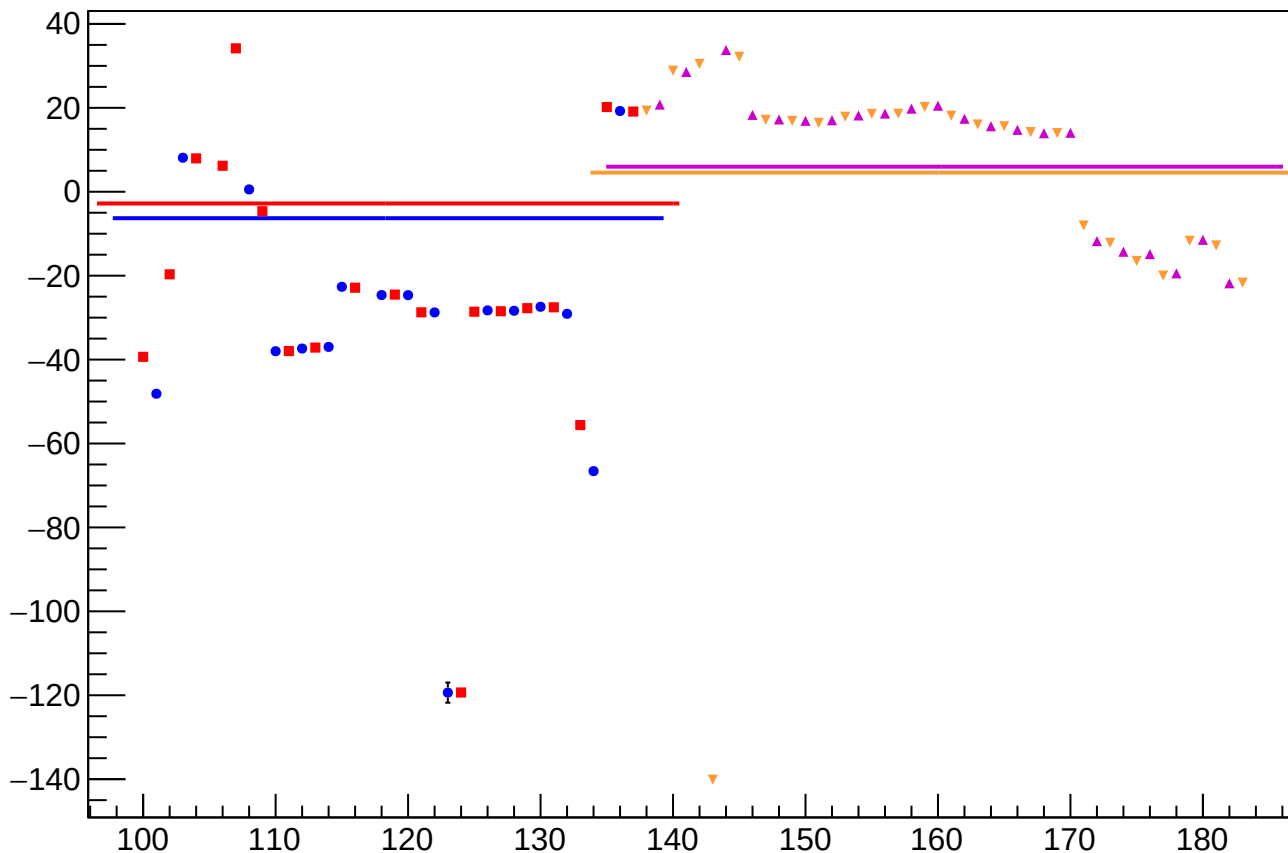
Right: 20.151 $\pm$ 0.627 χ^2 /NDF: 2135.2/35

In: 5.990 $\pm$ 0.339 χ^2 /NDF:3560.2/38

Out: 5.855 $\pm$ 0.332 χ^2 /NDF:3850.0/42

All: 5.921 $\pm$ 0.237 χ^2 /NDF: 7410.3/81

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.304 ± 0.046 χ^2/NDF : 264097.6/16

Left Out: 4.562 ± 0.017 χ^2/NDF : 1334552.5/23

Right Out: -2.793 ± 0.046 χ^2/NDF : 265022.4/18

Left In: 5.976 ± 0.017 χ^2/NDF : 1012527.4/21

Left: 5.266 ± 0.012 χ^2/NDF : 2350717.9/45

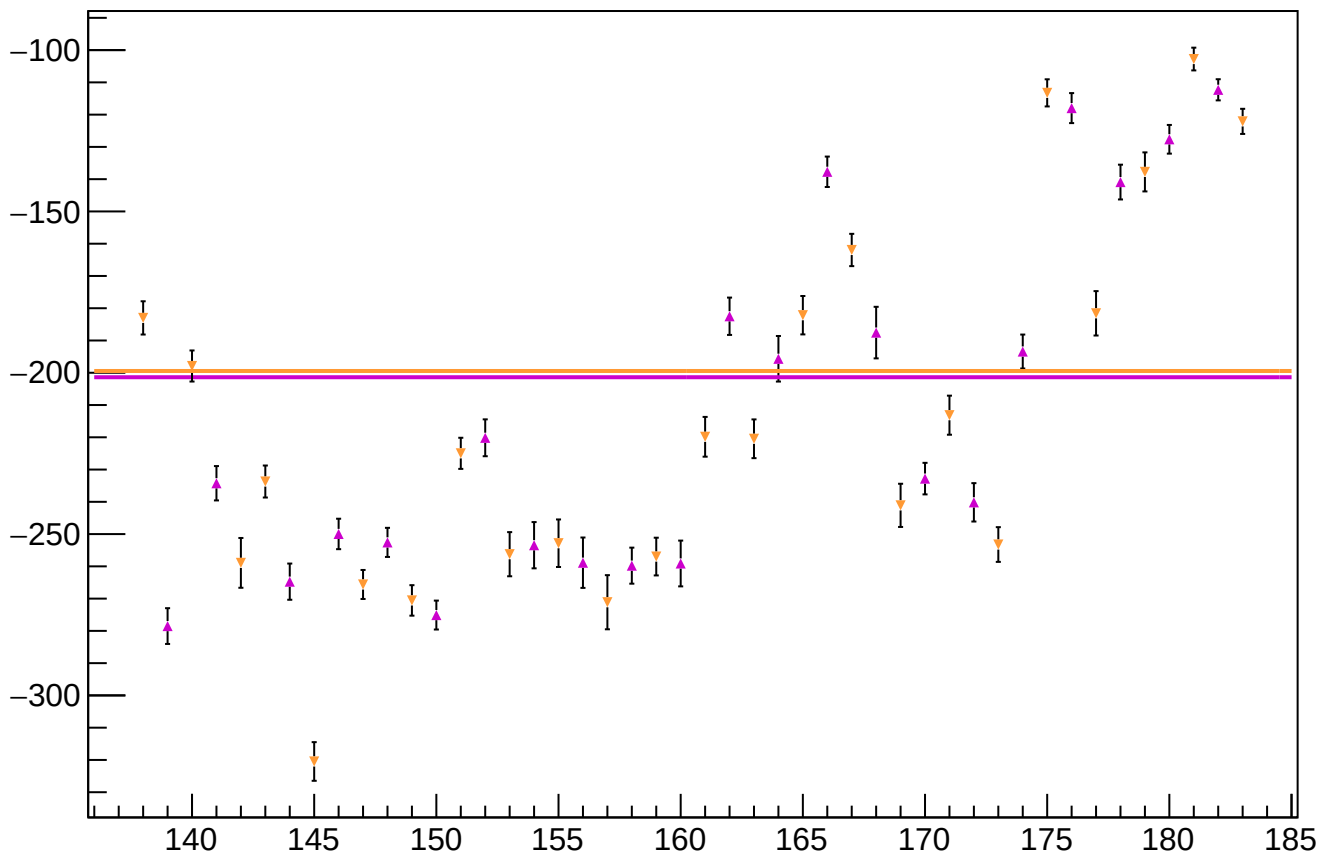
Right: -4.527 ± 0.033 χ^2/NDF : 532023.6/35

In: 4.579 ± 0.016 χ^2/NDF : 1338795.3/38

Out: 3.713 ± 0.016 χ^2/NDF : 1622403.3/42

All: 4.144 ± 0.011 χ^2/NDF : 2962739.9/81

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -199.449+/-1.088 χ^2/NDF :3197.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -201.387+/-1.116 χ^2/NDF :2901.8/21

Left: -200.394+/-0.779 χ^2/NDF : 6101.2/45

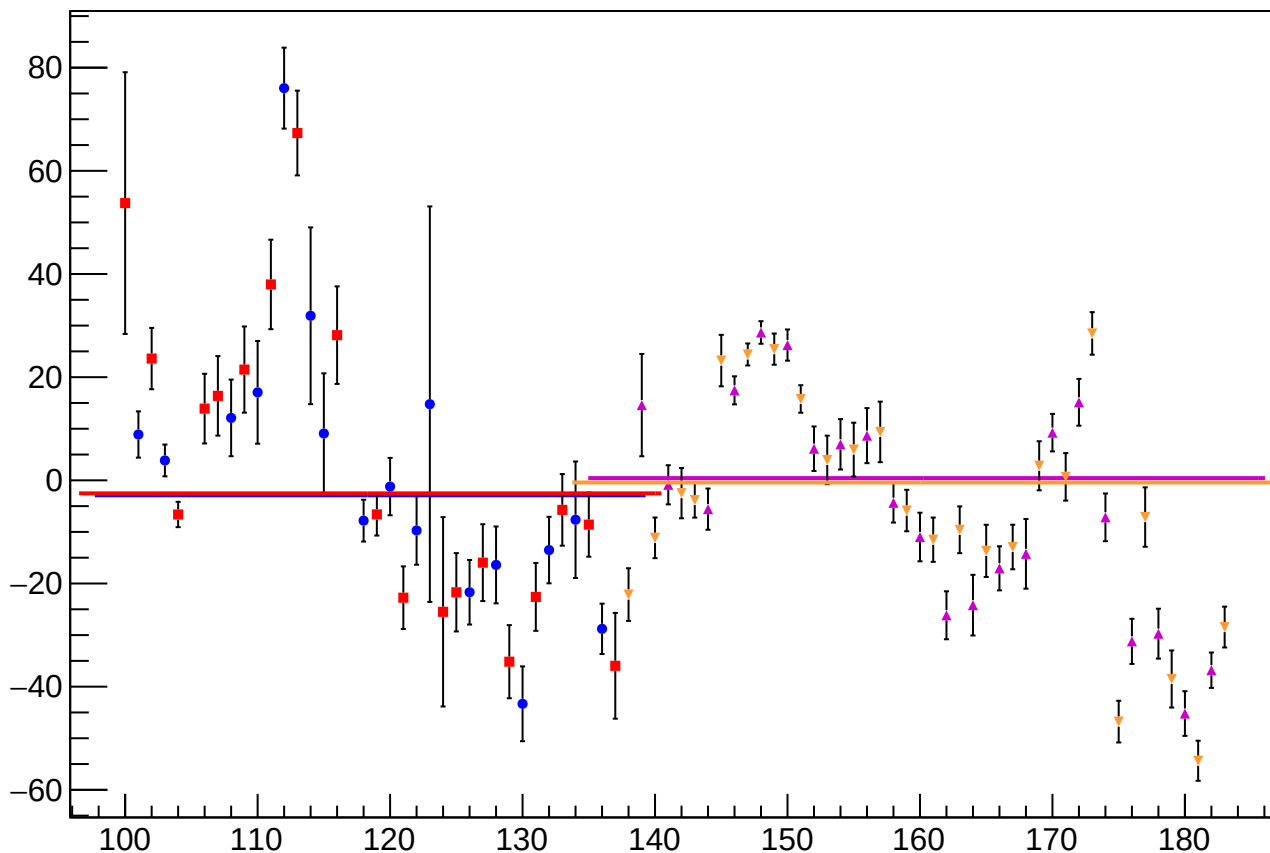
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -201.387+/-1.116 χ^2/NDF :2901.8/21

Out: -199.449+/-1.088 χ^2/NDF :3197.9/23

All: -200.394+/-0.779 χ^2/NDF : 6101.2/45

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.891 ± 1.469 χ^2/NDF : 203.4/16

Left Out: -0.413 ± 0.813 χ^2/NDF : 800.6/23

Right Out: -2.525 ± 1.398 χ^2/NDF : 217.5/18

Left In: 0.432 ± 0.846 χ^2/NDF : 707.6/21

Left: -0.008 ± 0.586 χ^2/NDF : 1508.7/45

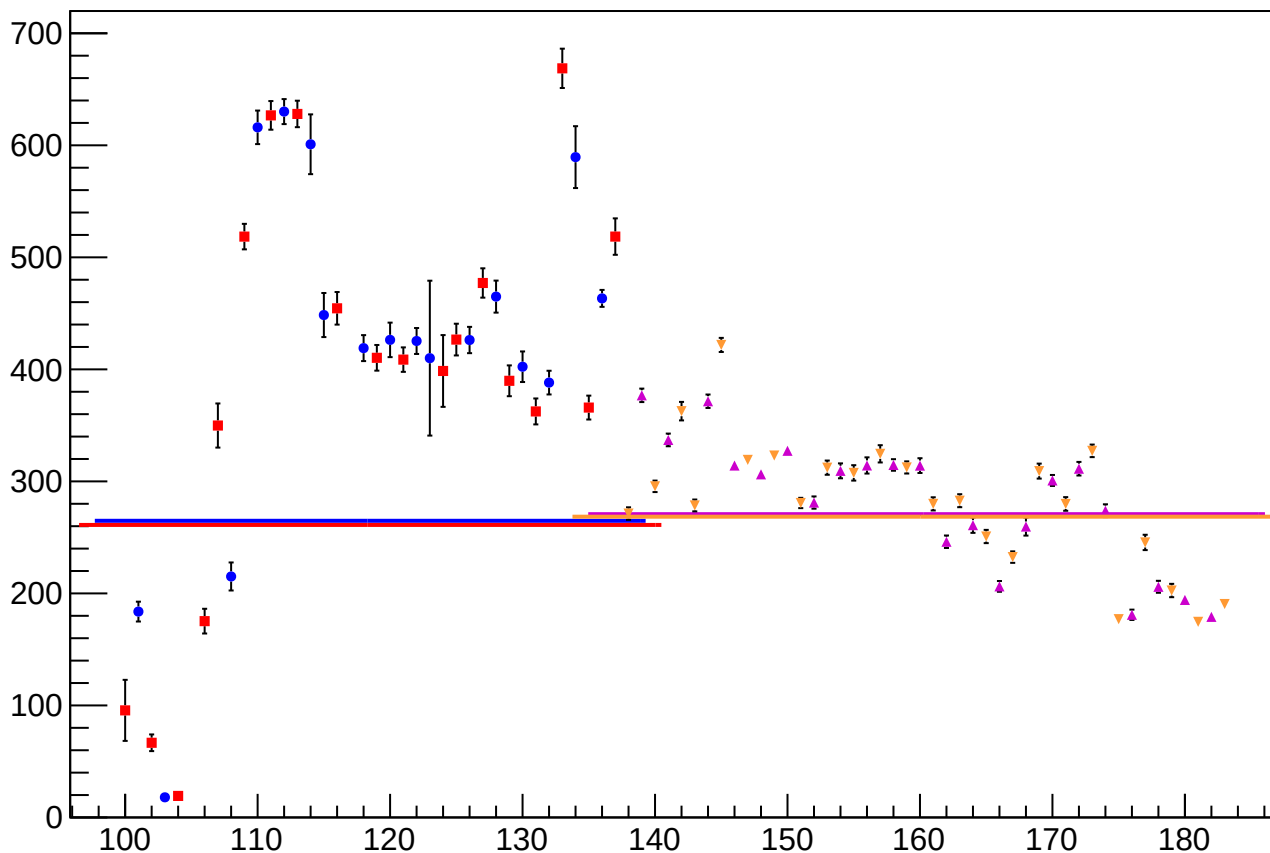
Right: -2.699 ± 1.013 χ^2/NDF : 420.9/35

In: -0.396 ± 0.733 χ^2/NDF : 914.8/38

Out: -0.947 ± 0.703 χ^2/NDF : 1019.7/42

All: -0.683 ± 0.507 χ^2/NDF : 1934.9/81

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 264.819+/-2.491 χ^2/NDF : 7613.2/16

Left Out: 268.485+/-1.087 χ^2/NDF : 3115.6/23

Right Out: 261.125+/-2.460 χ^2/NDF : 8195.5/18

Left In: 270.729+/-1.107 χ^2/NDF : 3105.5/21

Left: 269.586+/-0.776 χ^2/NDF : 6223.2/45

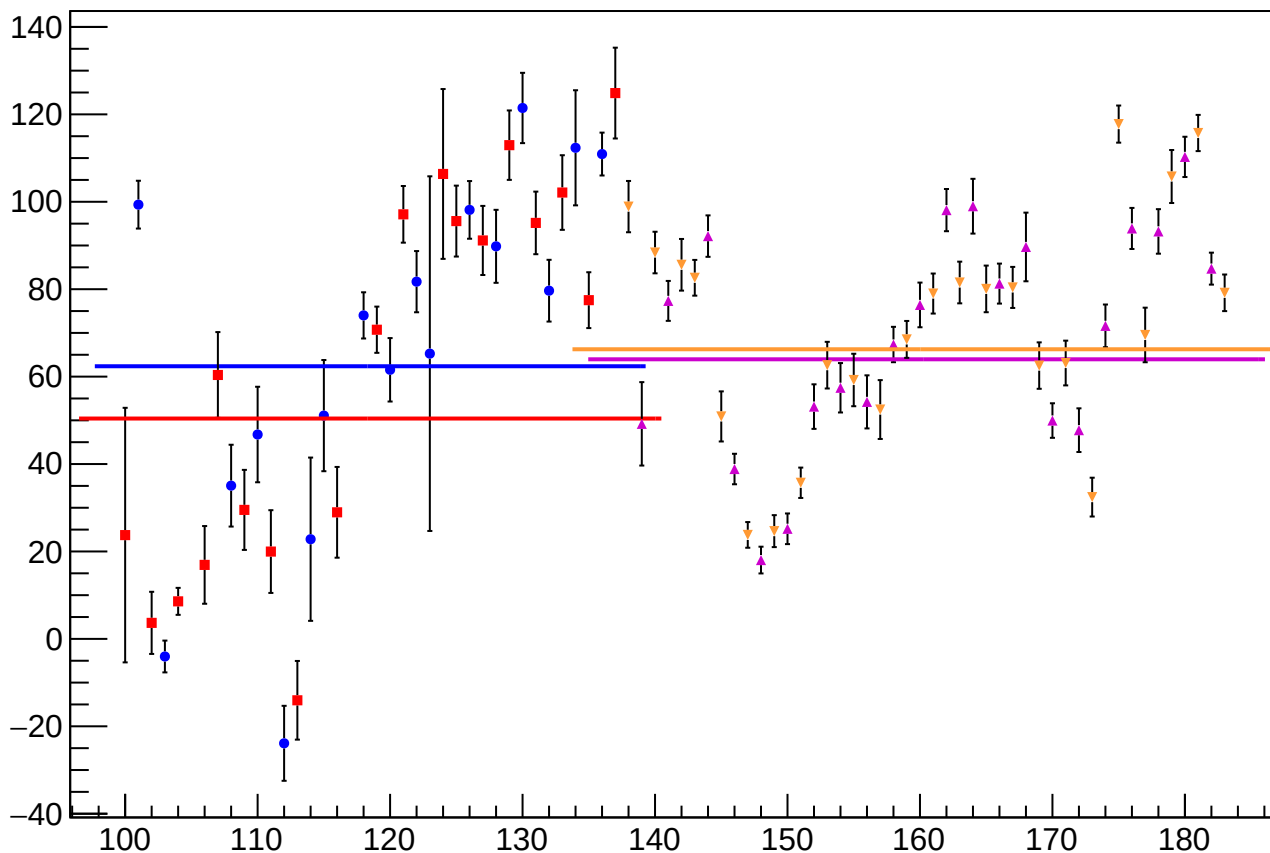
Right: 262.949+/-1.751 χ^2/NDF : 15809.8/35

In: 269.754+/-1.012 χ^2/NDF : 10723.4/38

Out: 267.283+/-0.994 χ^2/NDF : 11318.5/42

All: 268.497+/-0.709 χ^2/NDF : 22045.0/81

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.373+/-1.697 χ^2/NDF : 720.9/16

Left Out: 66.259+/-0.942 χ^2/NDF : 943.5/23

Right Out: 50.412+/-1.644 χ^2/NDF : 653.8/18

Left In: 63.964+/-0.974 χ^2/NDF : 799.4/21

Left: 65.150+/-0.677 χ^2/NDF : 1745.8/45

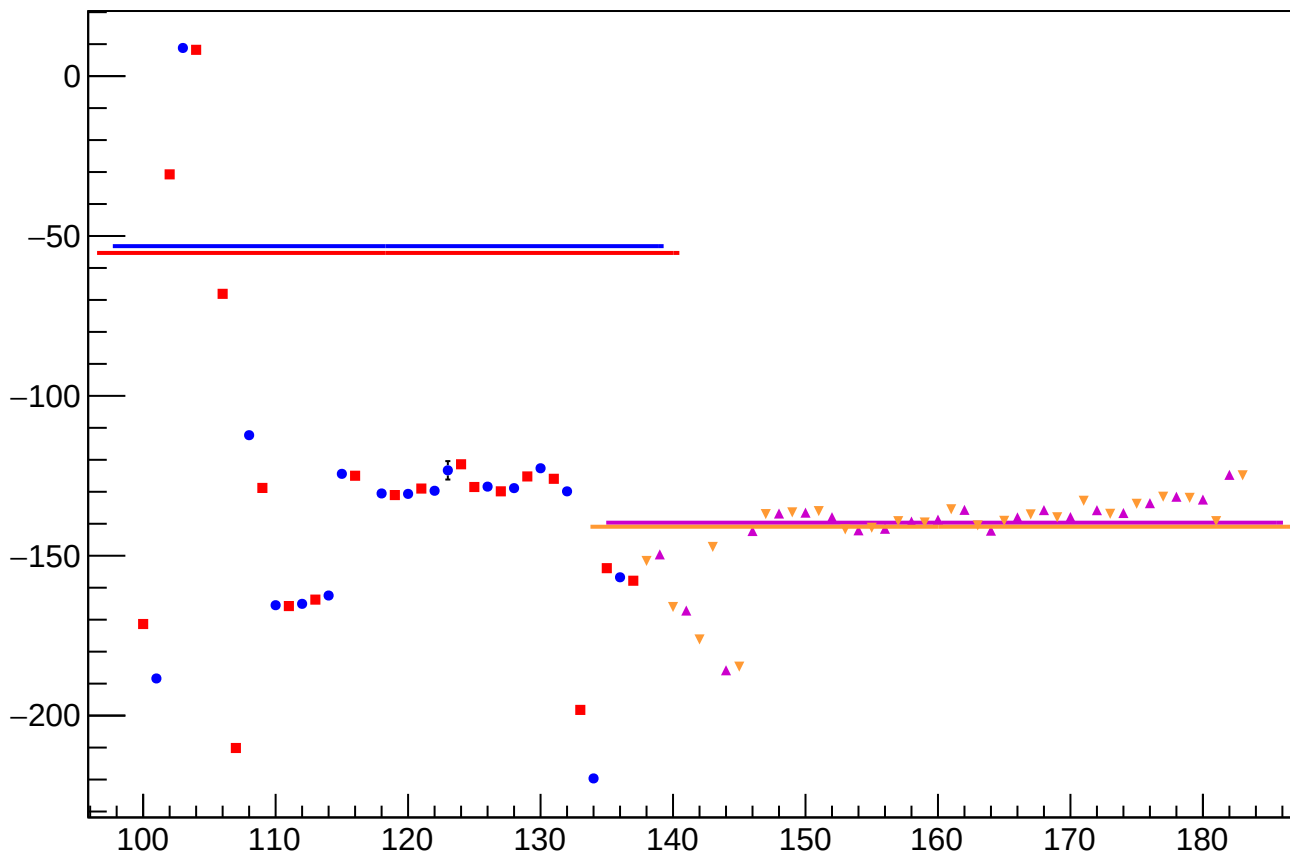
Right: 56.204+/-1.181 χ^2/NDF : 1400.3/35

In: 63.569+/-0.845 χ^2/NDF : 1520.9/38

Out: 62.342+/-0.817 χ^2/NDF : 1667.3/42

All: 62.936+/-0.587 χ^2/NDF : 3189.3/81

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.177 ± 0.070 $\chi^2/\text{NDF}: 1223993.8/16$

Left Out: -140.932 ± 0.045 $\chi^2/\text{NDF}: 73820.2/23$

Right Out: -55.301 ± 0.072 $\chi^2/\text{NDF}: 965954.6/18$

Left In: -139.665 ± 0.046 $\chi^2/\text{NDF}: 60735.9/21$

Left: -140.306 ± 0.032 $\chi^2/\text{NDF}: 134946.8/45$

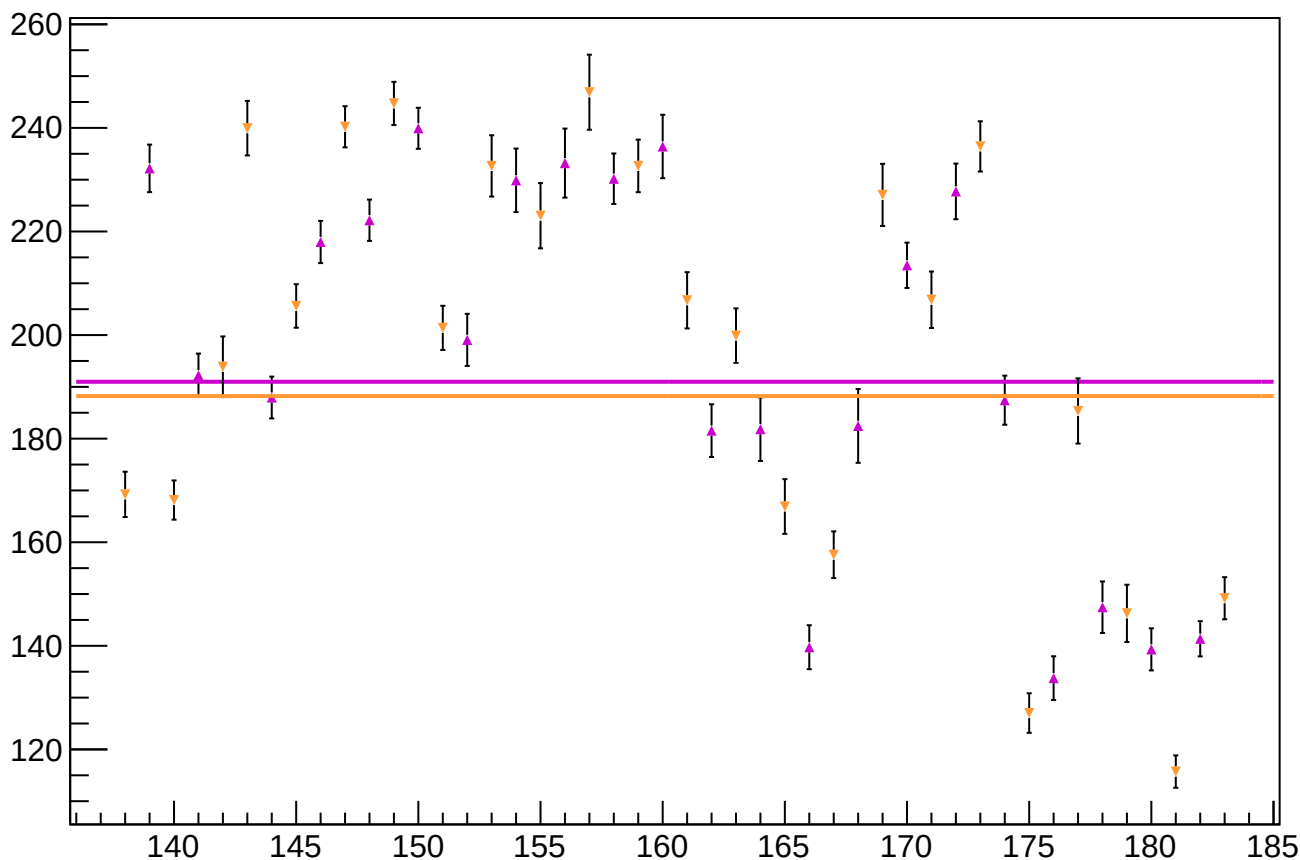
Right: -54.216 ± 0.050 $\chi^2/\text{NDF}: 2190393.3/35$

In: -114.121 ± 0.038 $\chi^2/\text{NDF}: 2346777.7/38$

Out: -116.814 ± 0.038 $\chi^2/\text{NDF}: 2056336.3/42$

All: -115.470 ± 0.027 $\chi^2/\text{NDF}: 4405594.1/81$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 188.221+/-0.963 χ^2/NDF :1929.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 190.986+/-0.987 χ^2/NDF :1403.1/21

Left: 189.568+/-0.689 χ^2/NDF : 3336.7/45

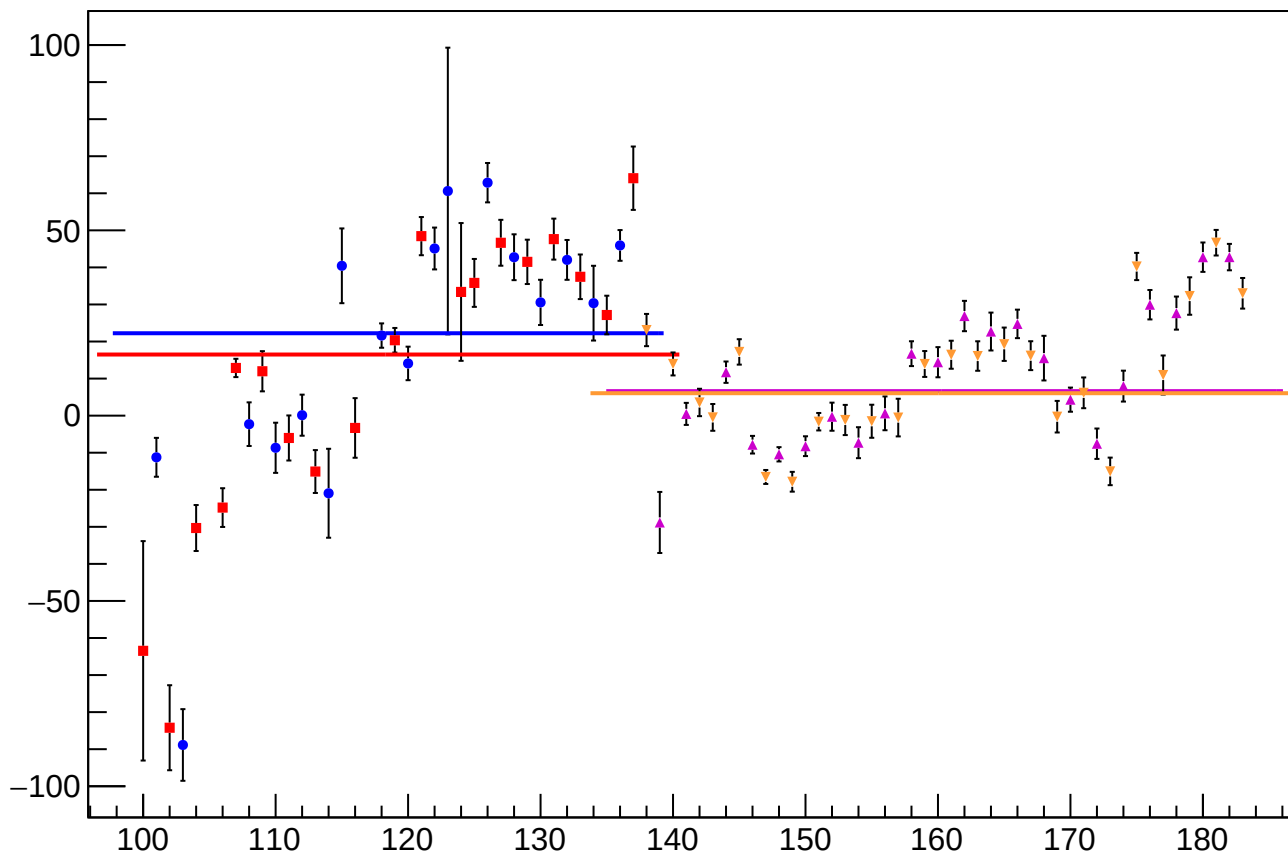
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 190.986+/-0.987 χ^2/NDF :1403.1/21

Out: 188.221+/-0.963 χ^2/NDF :1929.5/23

All: 189.568+/-0.689 χ^2/NDF : 3336.7/45

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.234 $\pm$ 1.398 χ^2 /NDF: 382.0/16

Left Out: 6.053 $\pm$ 0.716 χ^2 /NDF: 642.6/23

Right Out: 16.492 $\pm$ 1.229 χ^2 /NDF: 426.0/18

Left In: 6.612 $\pm$ 0.742 χ^2 /NDF: 515.0/21

Left: 6.323 $\pm$ 0.515 χ^2 /NDF: 1157.9/45

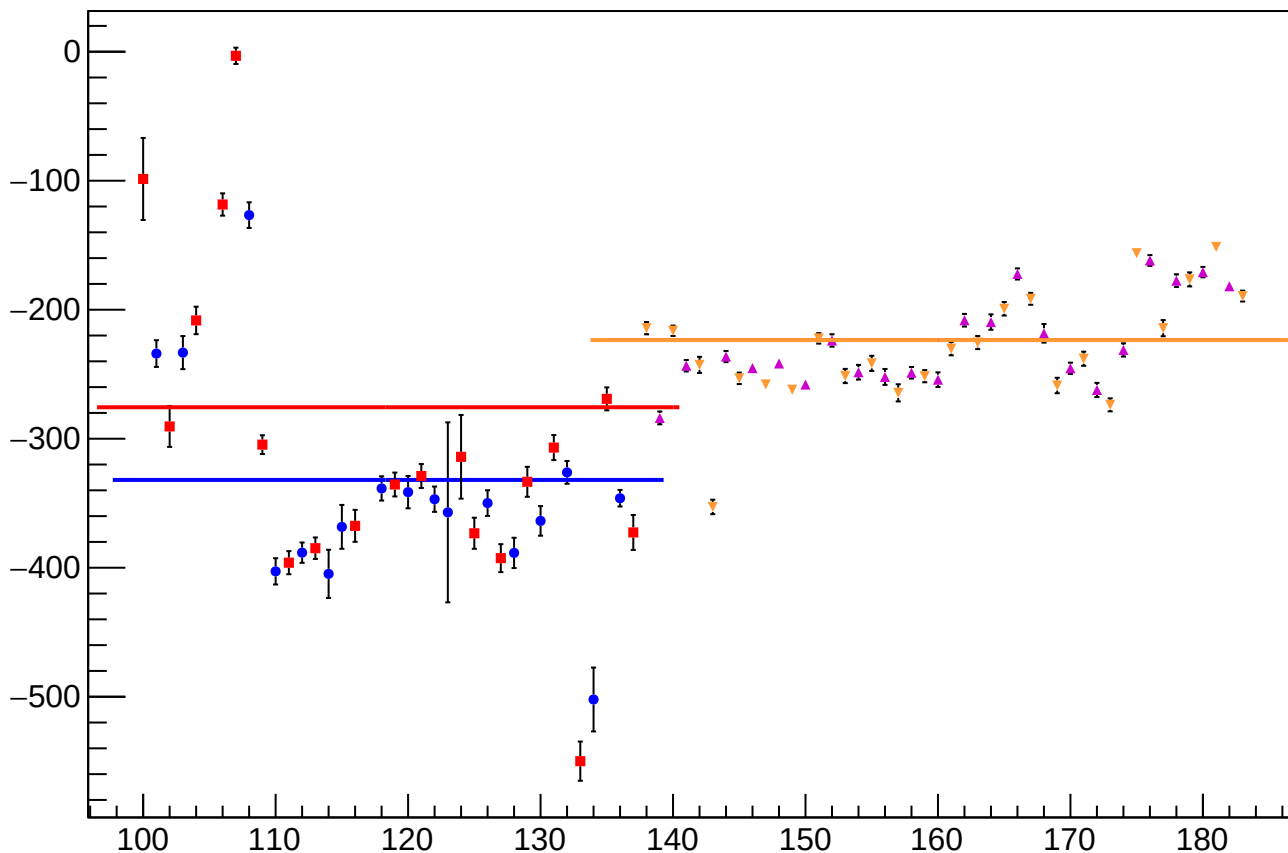
Right: 18.994 $\pm$ 0.923 χ^2 /NDF: 817.5/35

In: 10.043 $\pm$ 0.655 χ^2 /NDF: 994.4/38

Out: 8.700 $\pm$ 0.619 χ^2 /NDF: 1122.5/42

All: 9.333 $\pm$ 0.450 χ^2 /NDF: 2119.1/81

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.943+/-2.586 χ^2/NDF : 785.9/16

Left Out: -223.517+/-0.962 χ^2/NDF :2041.2/23

Right Out: -275.603+/-2.328 χ^2/NDF : 3358.3/18

Left In: -223.489+/-0.980 χ^2/NDF :1266.0/21

Left: -223.504+/-0.687 χ^2/NDF : 3307.3/45

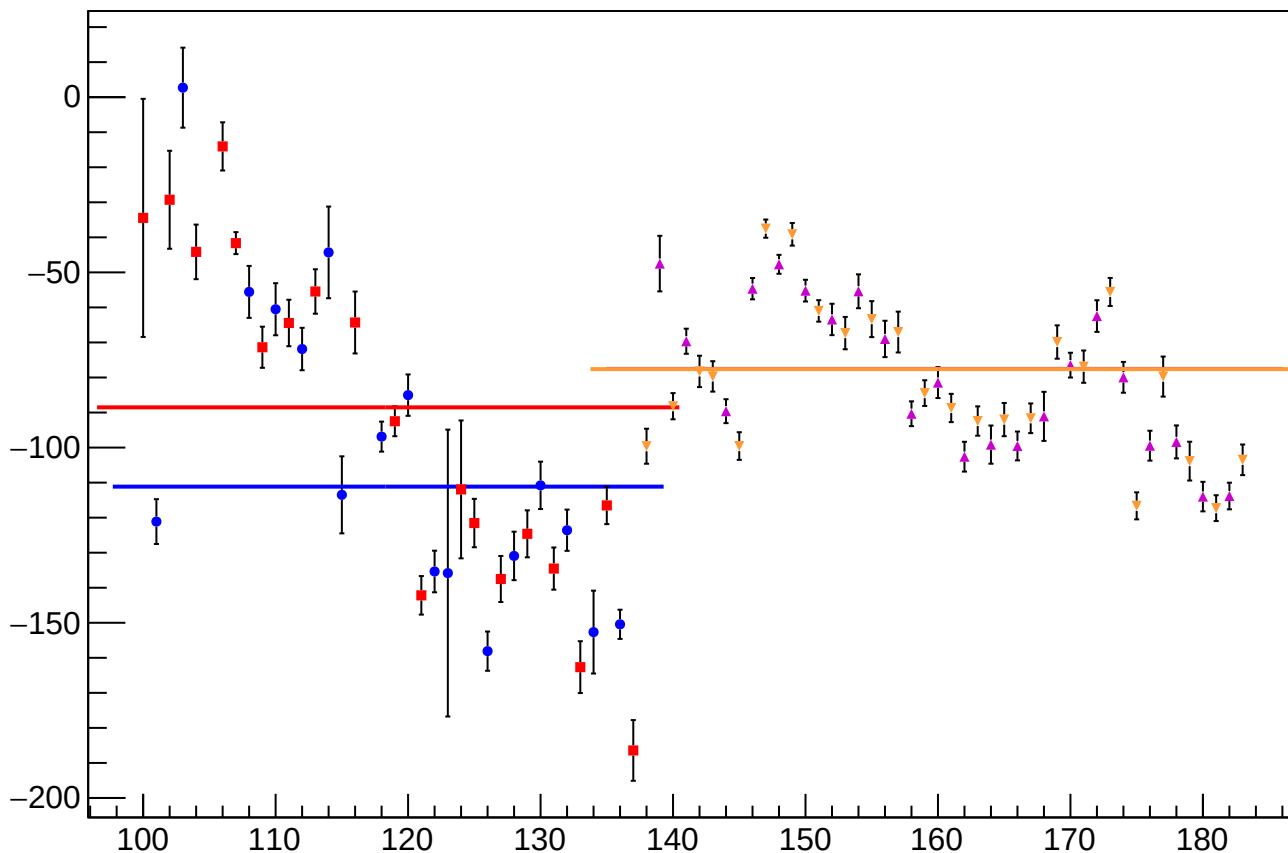
Right: -300.823+/-1.730 χ^2/NDF : 4406.4/35

In: -237.117+/-0.917 χ^2/NDF :3590.1/38

Out: -231.117+/-0.889 χ^2/NDF :5827.2/42

All: -234.026+/-0.638 χ^2/NDF : 9439.4/81

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.144 ± 1.601 χ^2/NDF : 504.6/16

Left Out: -77.607 ± 0.831 χ^2/NDF : 837.3/23

Right Out: -88.517 ± 1.435 χ^2/NDF : 968.7/18

Left In: -77.551 ± 0.856 χ^2/NDF : 616.1/21

Left: -77.580 ± 0.596 χ^2/NDF : 1453.4/45

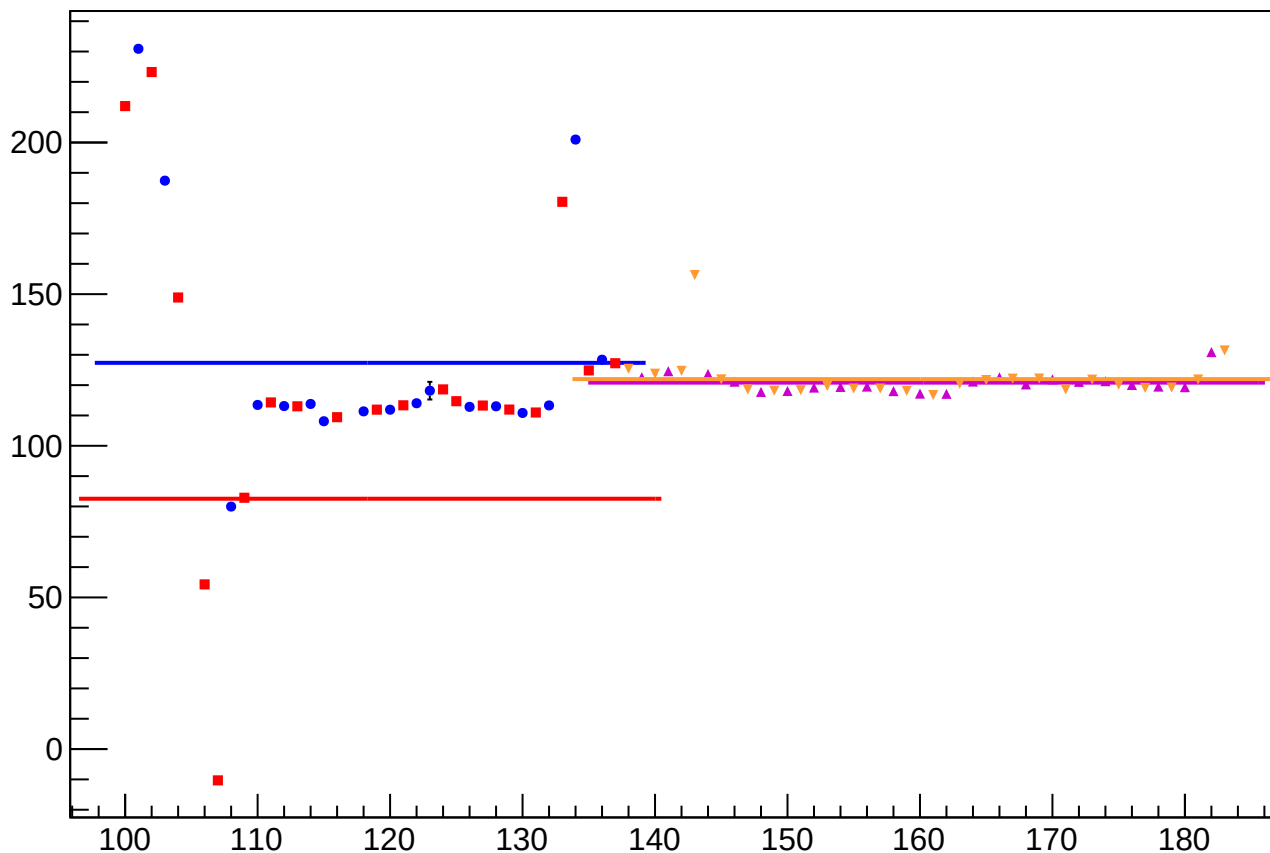
Right: -98.597 ± 1.069 χ^2/NDF : 1584.1/35

In: -85.020 ± 0.755 χ^2/NDF : 1463.1/38

Out: -80.349 ± 0.719 χ^2/NDF : 1849.3/42

All: -82.572 ± 0.521 χ^2/NDF : 3332.5/81

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.355 $\pm$ 0.090 χ^2 /NDF: 187728.6/16

Left Out: 121.986 $\pm$ 0.040 χ^2 /NDF:29808.2/23

Right Out: 82.546 $\pm$ 0.075 χ^2 /NDF: 764737.8/18

Left In: 120.824 $\pm$ 0.040 χ^2 /NDF:6221.4/21

Left: 121.411 $\pm$ 0.028 χ^2 /NDF: 36452.7/45

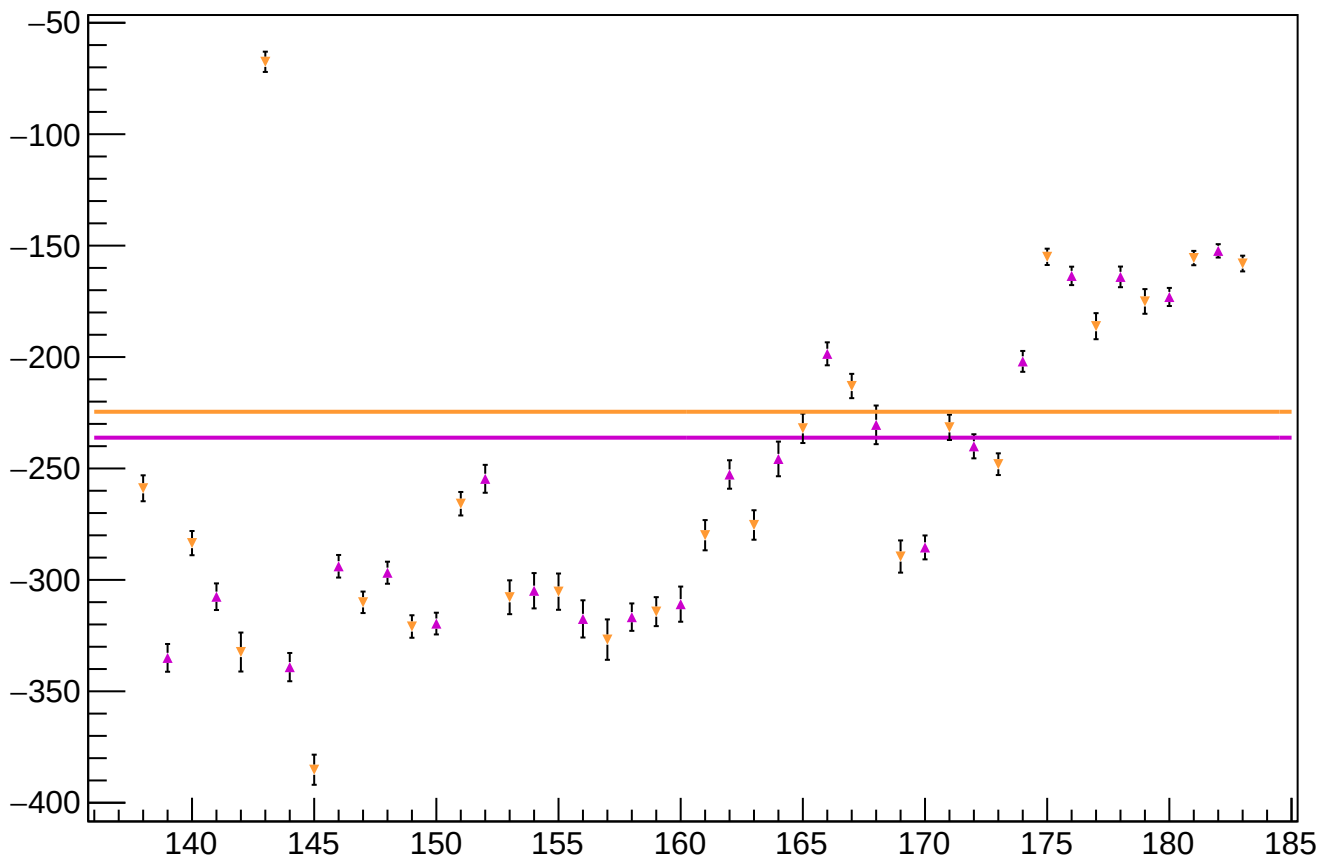
Right: 101.141 $\pm$ 0.058 χ^2 /NDF: 1098909.8/35

In: 121.916 $\pm$ 0.037 χ^2 /NDF:198378.6/38

Out: 113.415 $\pm$ 0.035 χ^2 /NDF:1008528.1/42

All: 117.493 $\pm$ 0.025 χ^2 /NDF: 1234943.9/81

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -224.549+/-1.091 χ^2/NDF : 4870.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -236.183+/-1.131 χ^2/NDF : 3441.8/21

Left: -230.160+/-0.785 χ^2/NDF : 8367.1/45

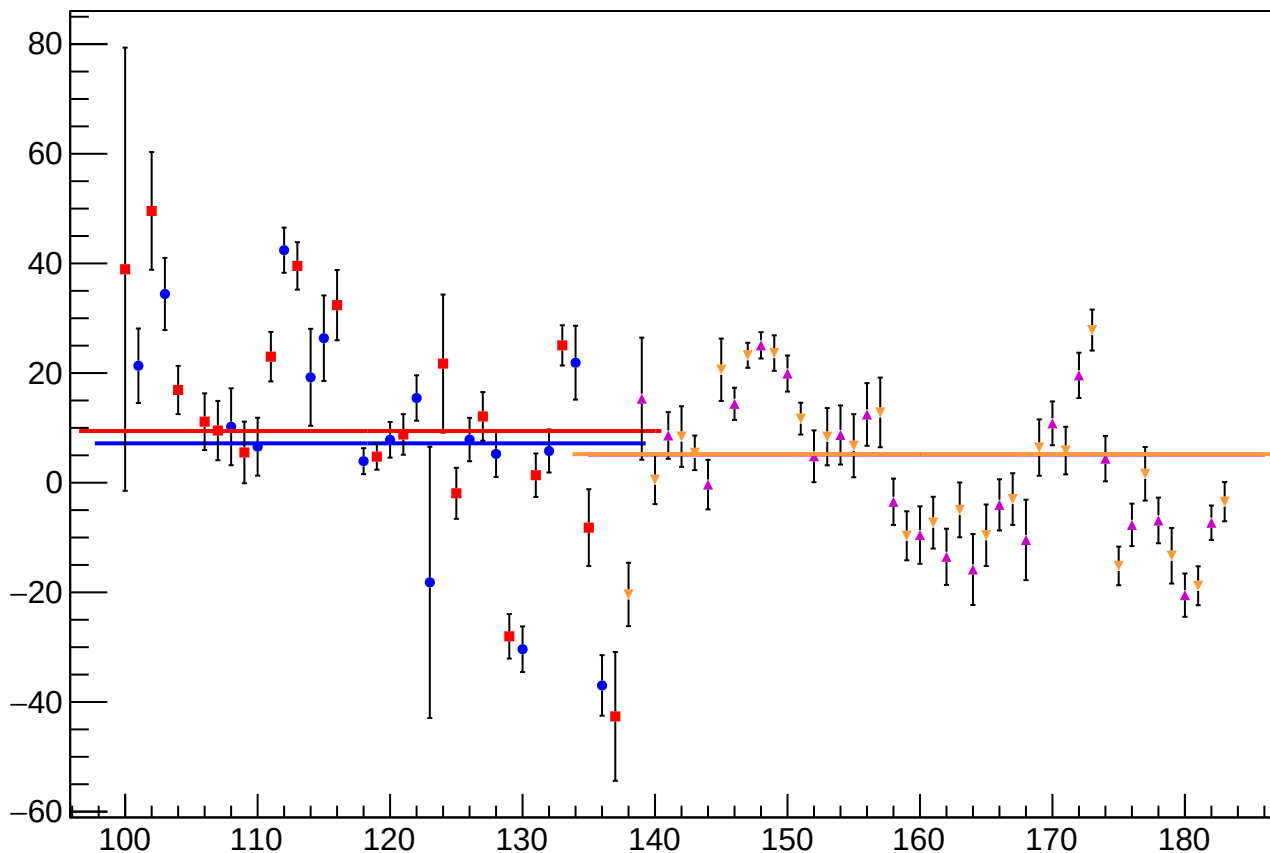
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -236.183+/-1.131 χ^2/NDF : 3441.8/21

Out: -224.549+/-1.091 χ^2/NDF : 4870.5/23

All: -230.160+/-0.785 χ^2/NDF : 8367.1/45

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.181+/-1.105 χ^2/NDF : 260.1/16

Left Out: 5.209+/-0.835 χ^2/NDF :297.9/23

Right Out: 9.427+/-1.073 χ^2/NDF : 232.3/18

Left In: 5.141+/-0.880 χ^2/NDF :239.5/21

Left: 5.177+/-0.606 χ^2/NDF : 537.4/45

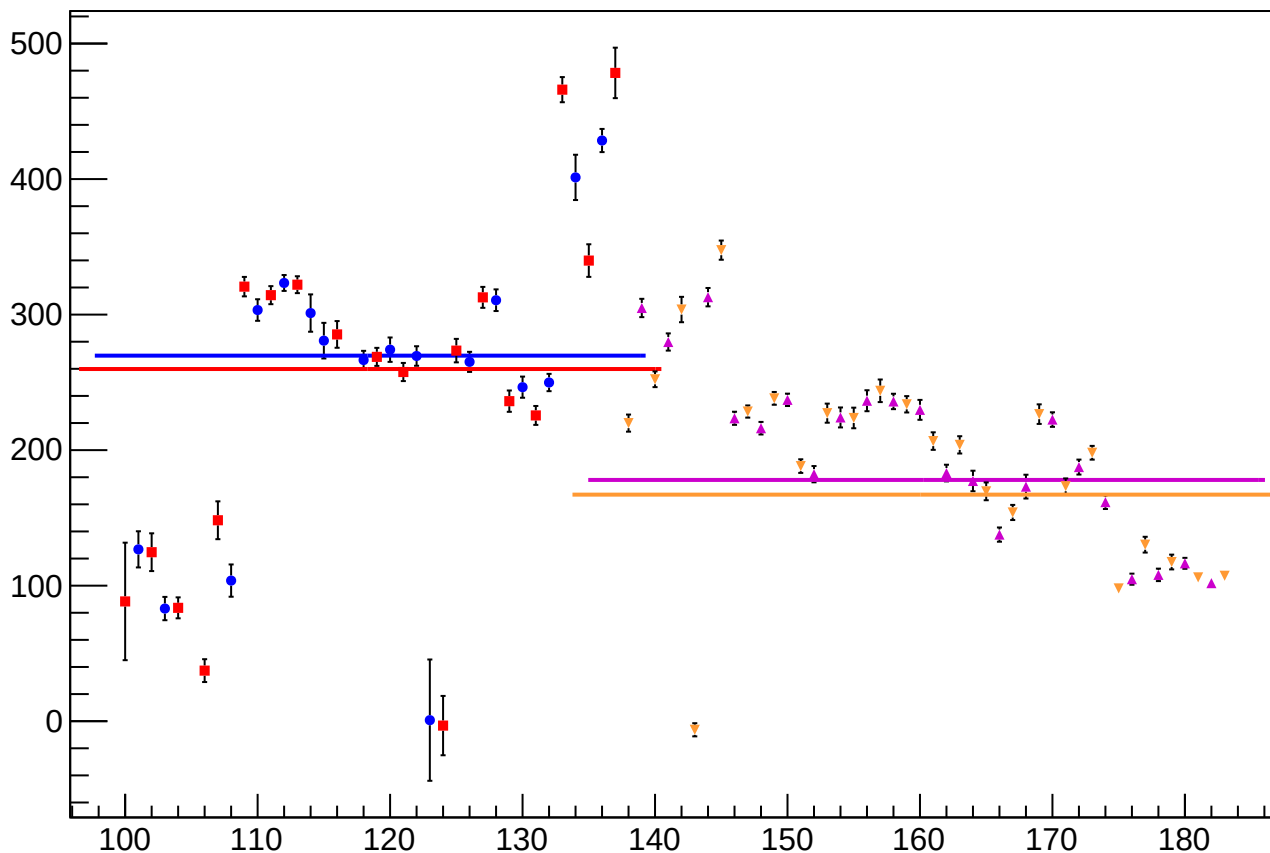
Right: 8.337+/-0.770 χ^2/NDF : 494.5/35

In: 5.932+/-0.688 χ^2/NDF :501.7/38

Out: 6.800+/-0.659 χ^2/NDF :539.8/42

All: 6.385+/-0.476 χ^2/NDF : 1042.3/81

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.720 $\pm$ 2.094 χ^2 /NDF: 1375.9/16

Left Out: 167.164 $\pm$ 1.094 χ^2 /NDF:4453.4/23

Right Out: 259.848 $\pm$ 1.981 χ^2 /NDF: 2540.4/18

Left In: 178.008 $\pm$ 1.126 χ^2 /NDF:3102.8/21

Left: 172.429 $\pm$ 0.785 χ^2 /NDF: 7603.9/45

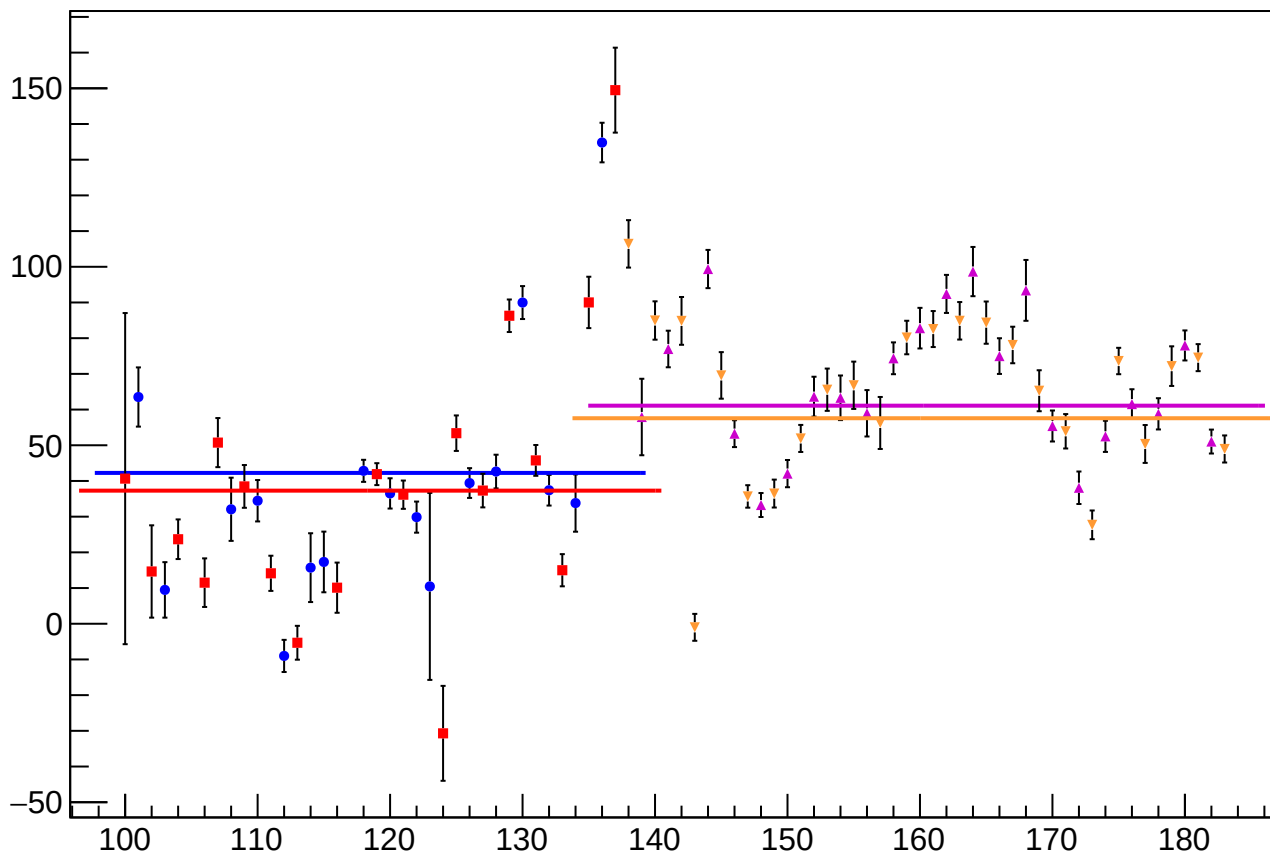
Right: 264.510 $\pm$ 1.439 χ^2 /NDF: 3928.0/35

In: 198.577 $\pm$ 0.992 χ^2 /NDF:5966.7/38

Out: 188.825 $\pm$ 0.957 χ^2 /NDF:8671.8/42

All: 193.530 $\pm$ 0.689 χ^2 /NDF: 14688.5/81

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.255 $\pm$ 1.277 χ^2 /NDF: 573.1/16

Left Out: 57.574 $\pm$ 0.961 χ^2 /NDF: 646.8/23

Right Out: 37.288 $\pm$ 1.237 χ^2 /NDF: 470.5/18

Left In: 61.092 $\pm$ 1.004 χ^2 /NDF: 325.3/21

Left: 59.256 $\pm$ 0.694 χ^2 /NDF: 978.5/45

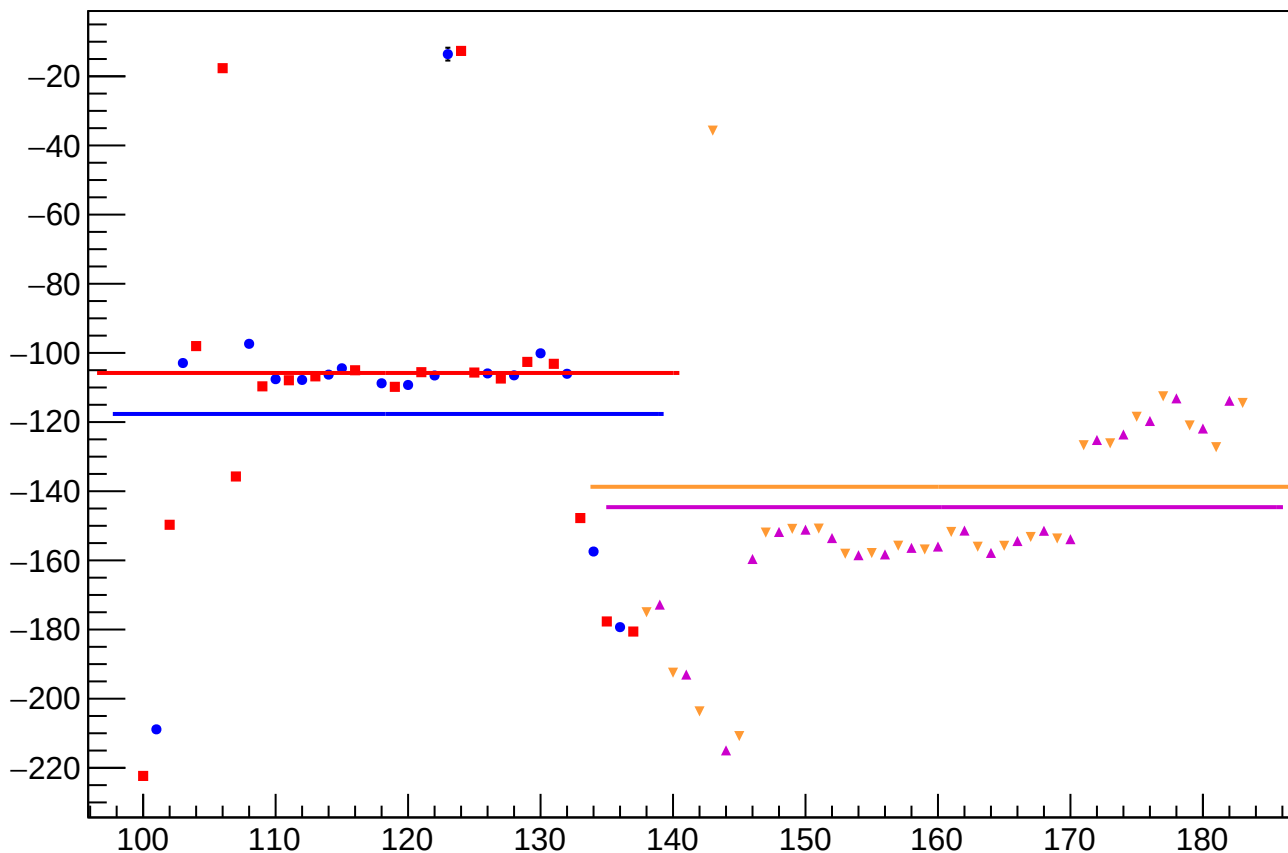
Right: 39.693 $\pm$ 0.888 χ^2 /NDF: 1051.4/35

In: 53.892 $\pm$ 0.789 χ^2 /NDF: 1032.9/38

Out: 49.938 $\pm$ 0.759 χ^2 /NDF: 1285.0/42

All: 51.838 $\pm$ 0.547 χ^2 /NDF: 2330.9/81

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.654+/-0.079 χ^2/NDF : 141832.7/16

Left Out: -138.716+/-0.046 χ^2/NDF : 557259.6/23

Right Out: -105.797+/-0.073 χ^2/NDF : 323120.4/18

Left In: -144.606+/-0.047 χ^2/NDF : 247544.7/21

Left: -141.593+/-0.033 χ^2/NDF : 812889.4/45

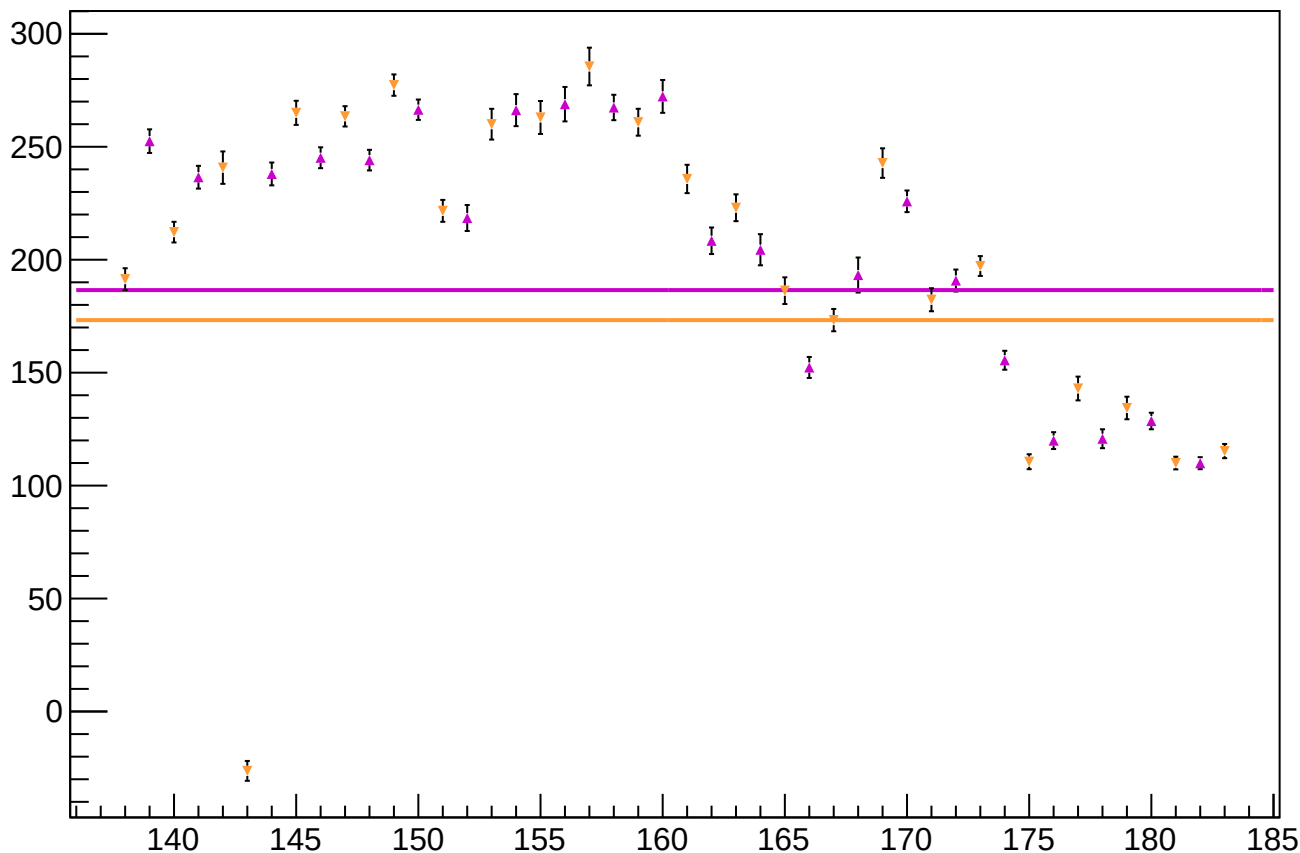
Right: -111.277+/-0.053 χ^2/NDF : 477176.1/35

In: -137.548+/-0.040 χ^2/NDF : 476037.5/38

Out: -129.408+/-0.039 χ^2/NDF : 1026597.2/42

All: -133.326+/-0.028 χ^2/NDF : 1523850.2/81

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 173.264+/-0.977 χ^2/NDF :5845.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 186.553+/-1.012 χ^2/NDF :3454.8/21

Left: 179.675+/-0.703 χ^2/NDF : 9390.1/45

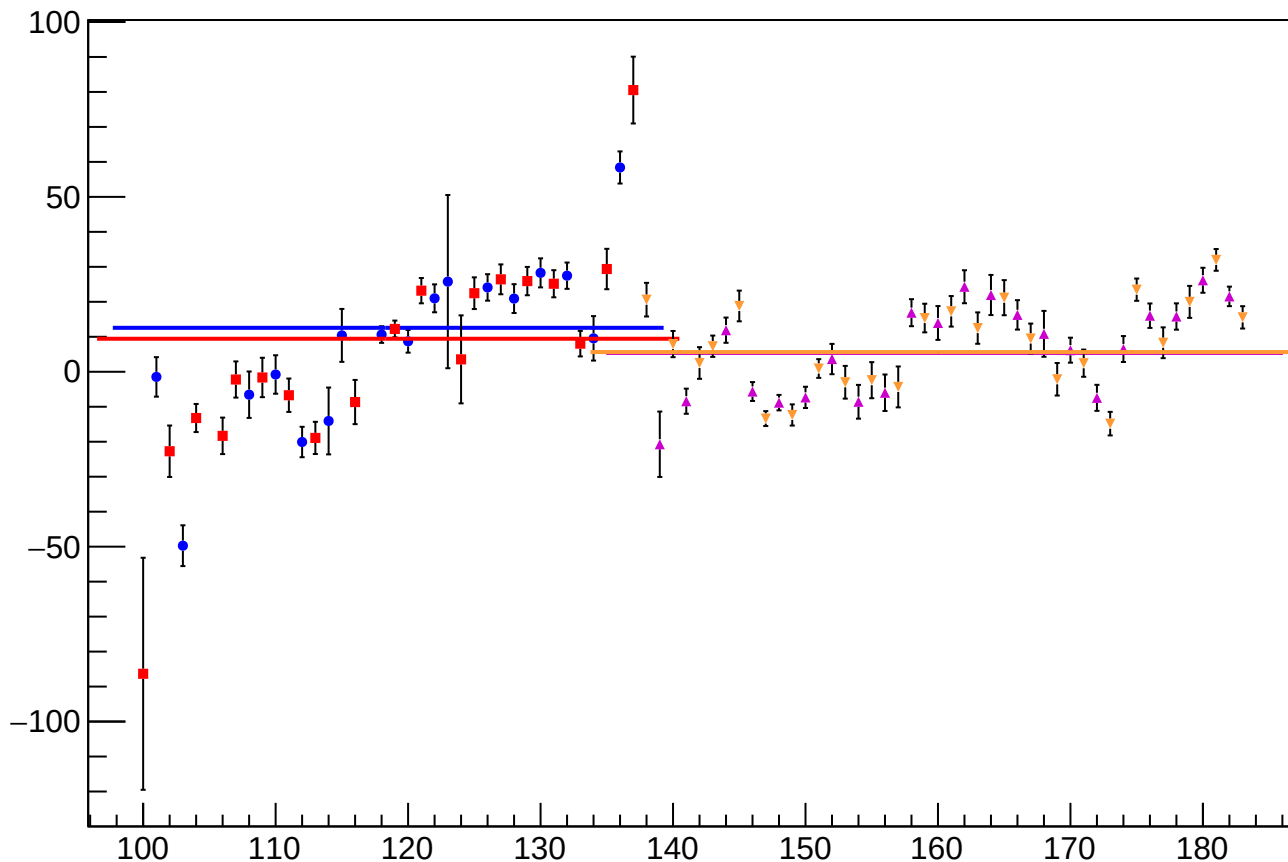
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 186.553+/-1.012 χ^2/NDF :3454.8/21

Out: 173.264+/-0.977 χ^2/NDF :5845.9/23

All: 179.675+/-0.703 χ^2/NDF : 9390.1/45

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.569+/-1.076 χ^2/NDF : 348.8/16

Left Out: 5.637+/-0.754 χ^2/NDF :335.4/23

Right Out: 9.442+/-1.049 χ^2/NDF : 294.8/18

Left In: 5.375+/-0.791 χ^2/NDF :254.9/21

Left: 5.512+/-0.546 χ^2/NDF : 590.3/45

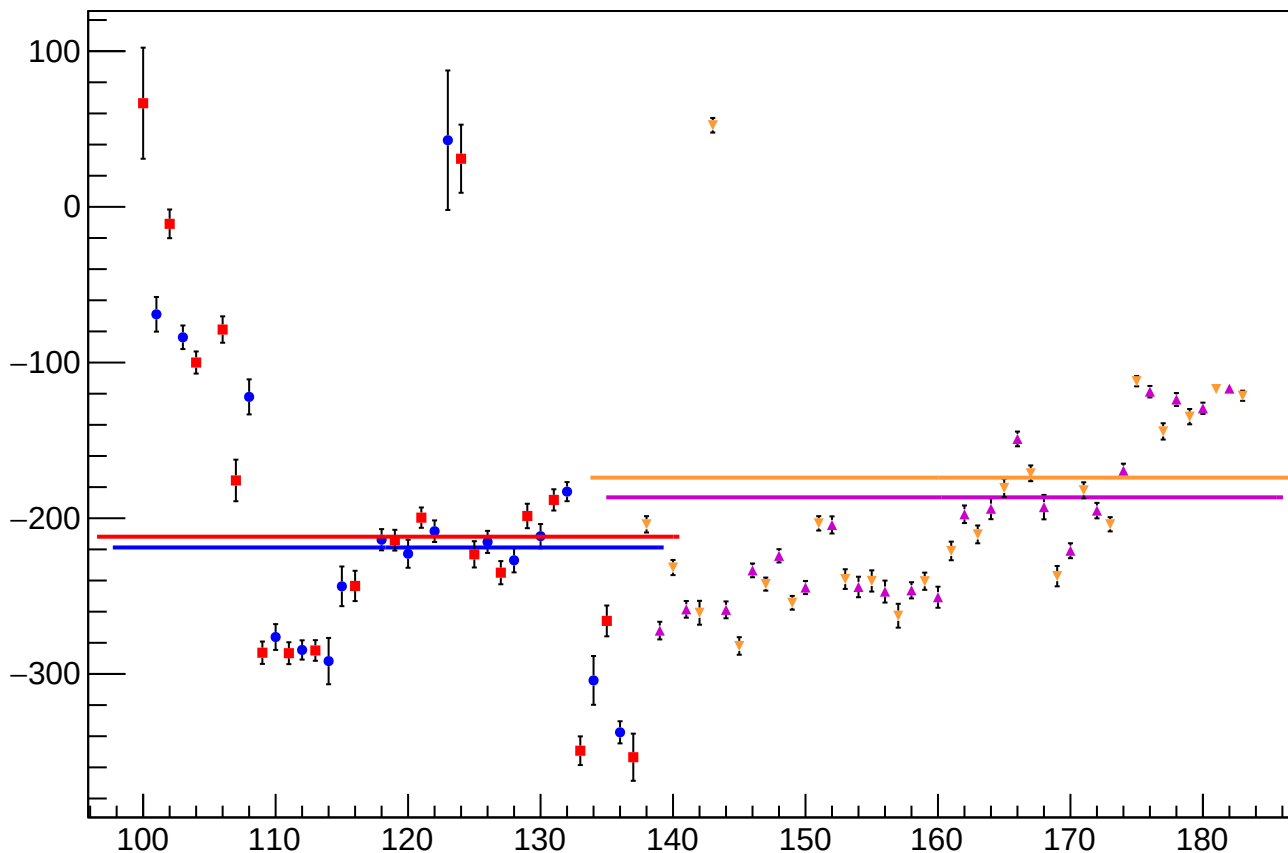
Right: 10.966+/-0.751 χ^2/NDF : 648.0/35

In: 7.900+/-0.637 χ^2/NDF :632.8/38

Out: 6.932+/-0.612 χ^2/NDF :638.9/42

All: 7.397+/-0.442 χ^2/NDF : 1272.8/81

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.764 ± 2.027 $\chi^2/\text{NDF}: 1144.2/16$

Left Out: -173.912 ± 0.981 $\chi^2/\text{NDF}: 5442.2/23$

Right Out: -211.849 ± 1.927 $\chi^2/\text{NDF}: 1884.6/18$

Left In: -186.567 ± 1.010 $\chi^2/\text{NDF}: 2934.1/21$

Left: -180.059 ± 0.704 $\chi^2/\text{NDF}: 8457.1/45$

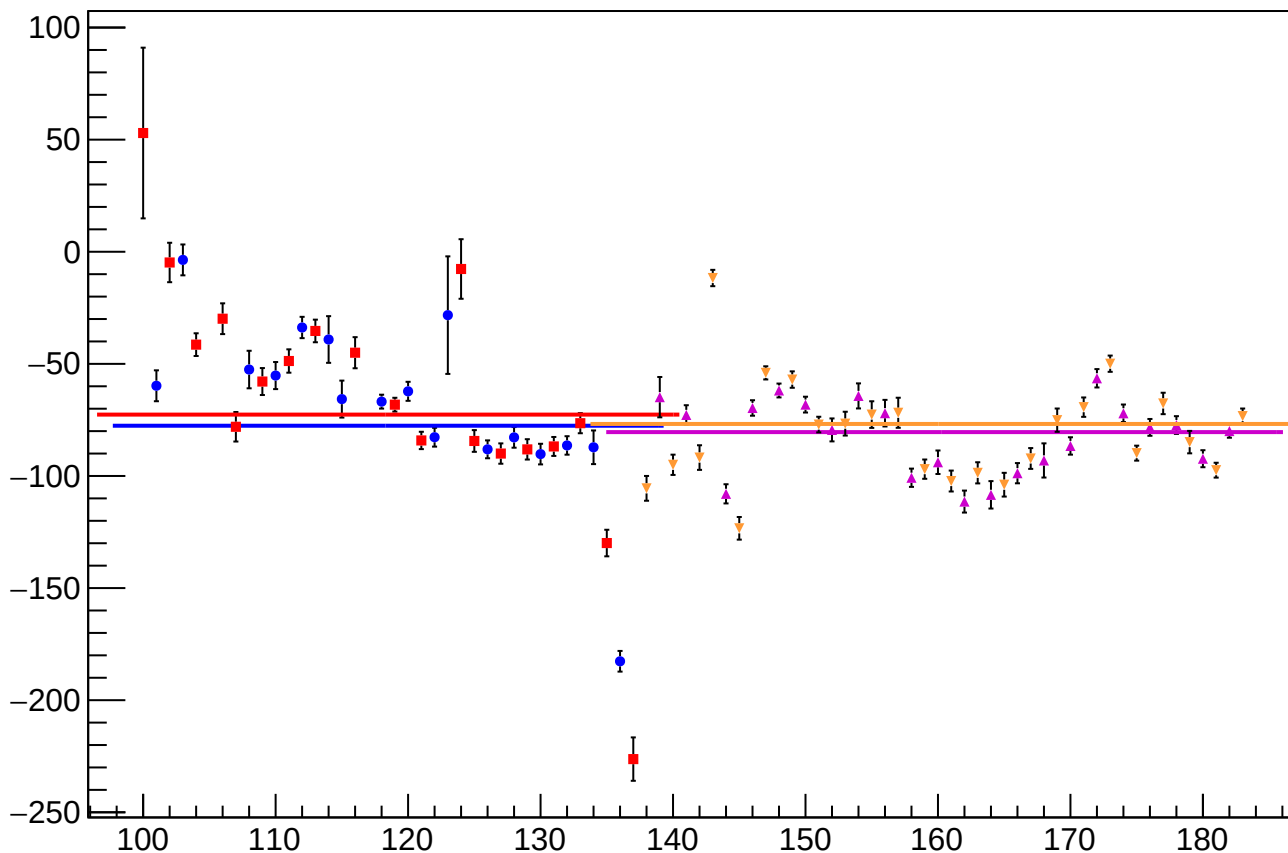
Right: -215.133 ± 1.397 $\chi^2/\text{NDF}: 3035.0/35$

In: -192.967 ± 0.904 $\chi^2/\text{NDF}: 4280.5/38$

Out: -181.719 ± 0.874 $\chi^2/\text{NDF}: 7634.5/42$

All: -187.158 ± 0.628 $\chi^2/\text{NDF}: 11995.0/81$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.591 ± 1.239 χ^2/NDF : 816.4/16

Left Out: -76.800 ± 0.866 χ^2/NDF : 775.0/23

Right Out: -72.629 ± 1.209 χ^2/NDF : 670.2/18

Left In: -80.436 ± 0.902 χ^2/NDF : 279.8/21

Left: -78.543 ± 0.625 χ^2/NDF : 1063.3/45

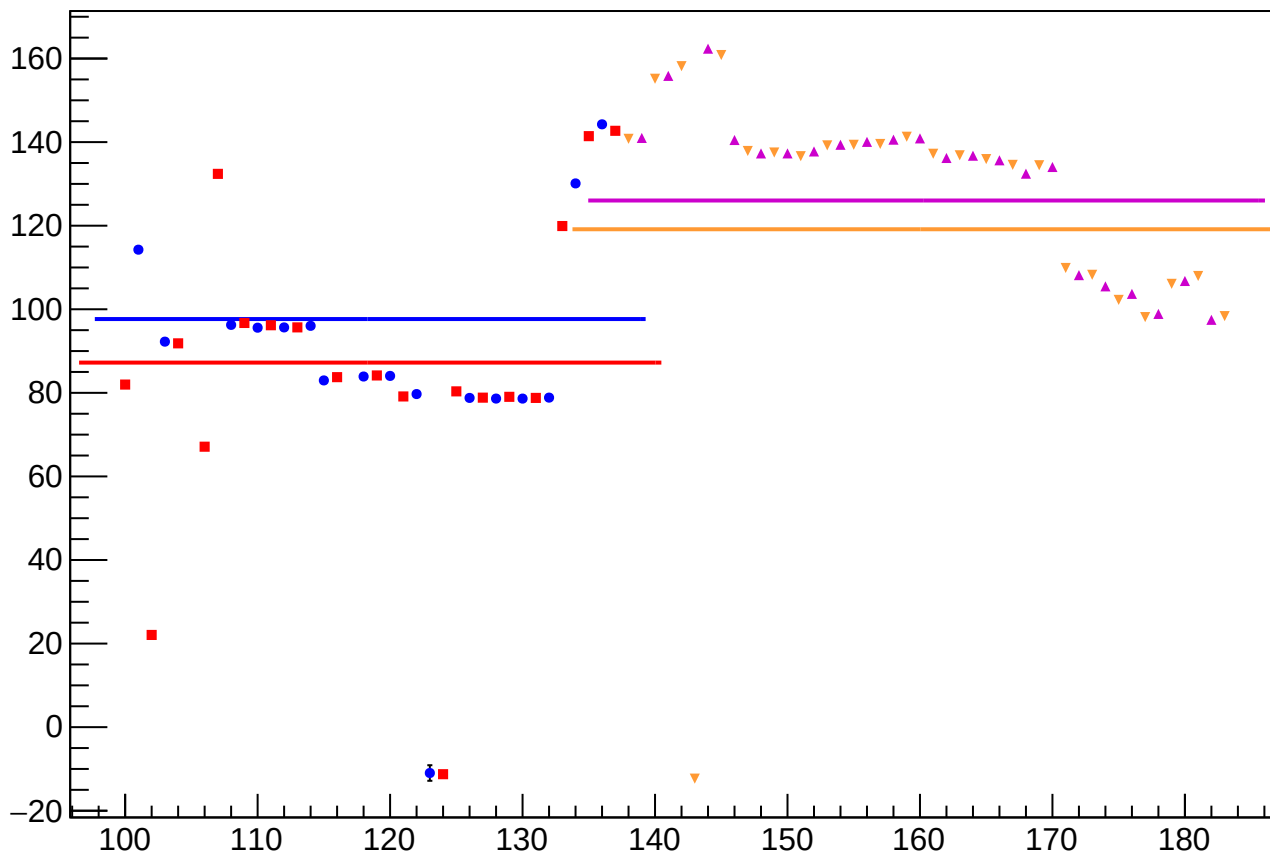
Right: -75.048 ± 0.865 χ^2/NDF : 1494.9/35

In: -79.450 ± 0.729 χ^2/NDF : 1099.7/38

Out: -75.386 ± 0.704 χ^2/NDF : 1453.1/42

All: -77.345 ± 0.506 χ^2/NDF : 2568.8/81

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.659 $\pm$ 0.074 χ^2 /NDF: 93912.8/16

Left Out: 119.145 $\pm$ 0.041 χ^2 /NDF: 721782.9/23

Right Out: 87.239 $\pm$ 0.068 χ^2 /NDF: 220840.5/18

Left In: 126.027 $\pm$ 0.042 χ^2 /NDF: 207460.5/21

Left: 122.511 $\pm$ 0.029 χ^2 /NDF: 942967.4/45

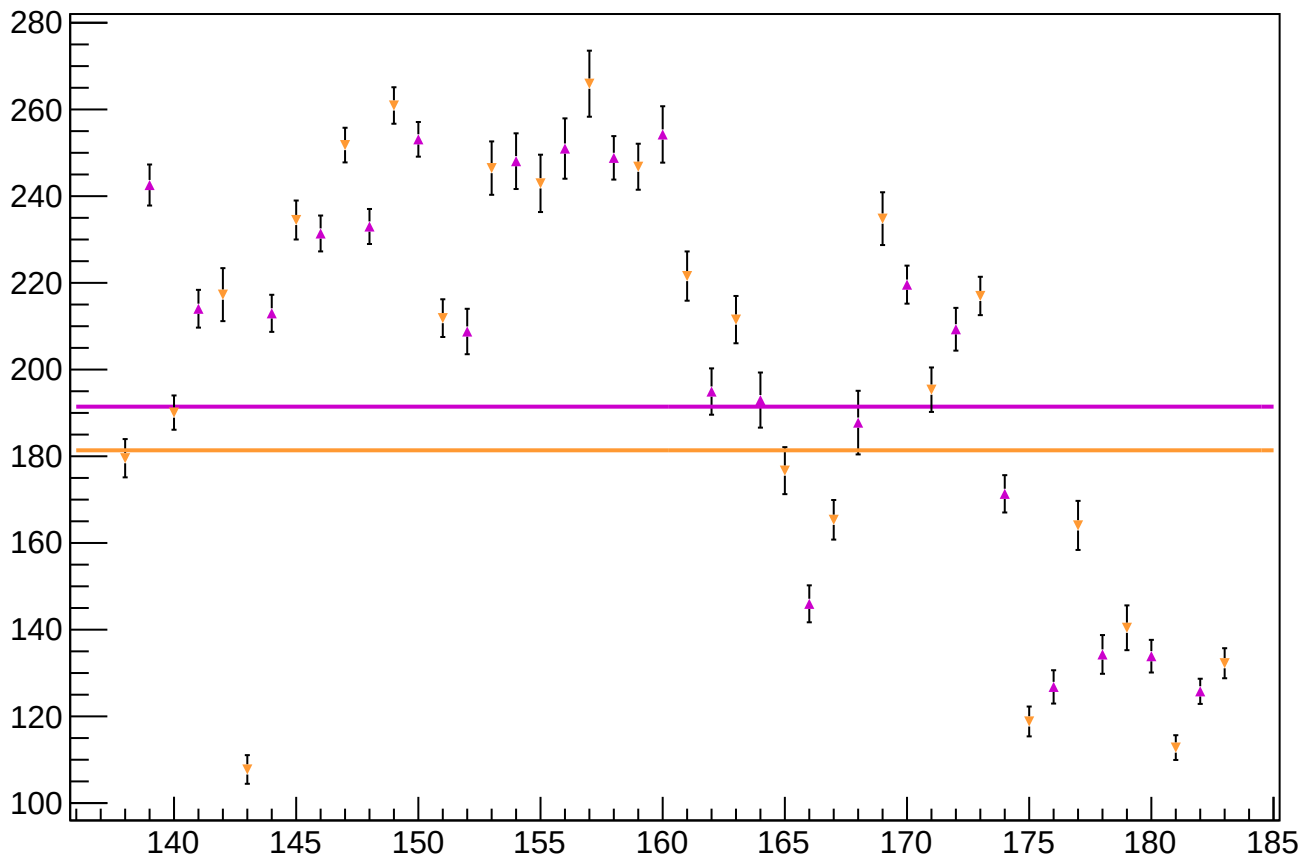
Right: 92.049 $\pm$ 0.050 χ^2 /NDF: 325482.8/35

In: 119.093 $\pm$ 0.036 χ^2 /NDF: 412957.6/38

Out: 110.678 $\pm$ 0.035 χ^2 /NDF: 1102697.2/42

All: 114.735 $\pm$ 0.025 χ^2 /NDF: 1543188.8/81

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 181.374+/-0.921 χ^2/NDF :3287.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 191.444+/-0.969 χ^2/NDF :2373.6/21

Left: 186.157+/-0.668 χ^2/NDF : 5718.0/45

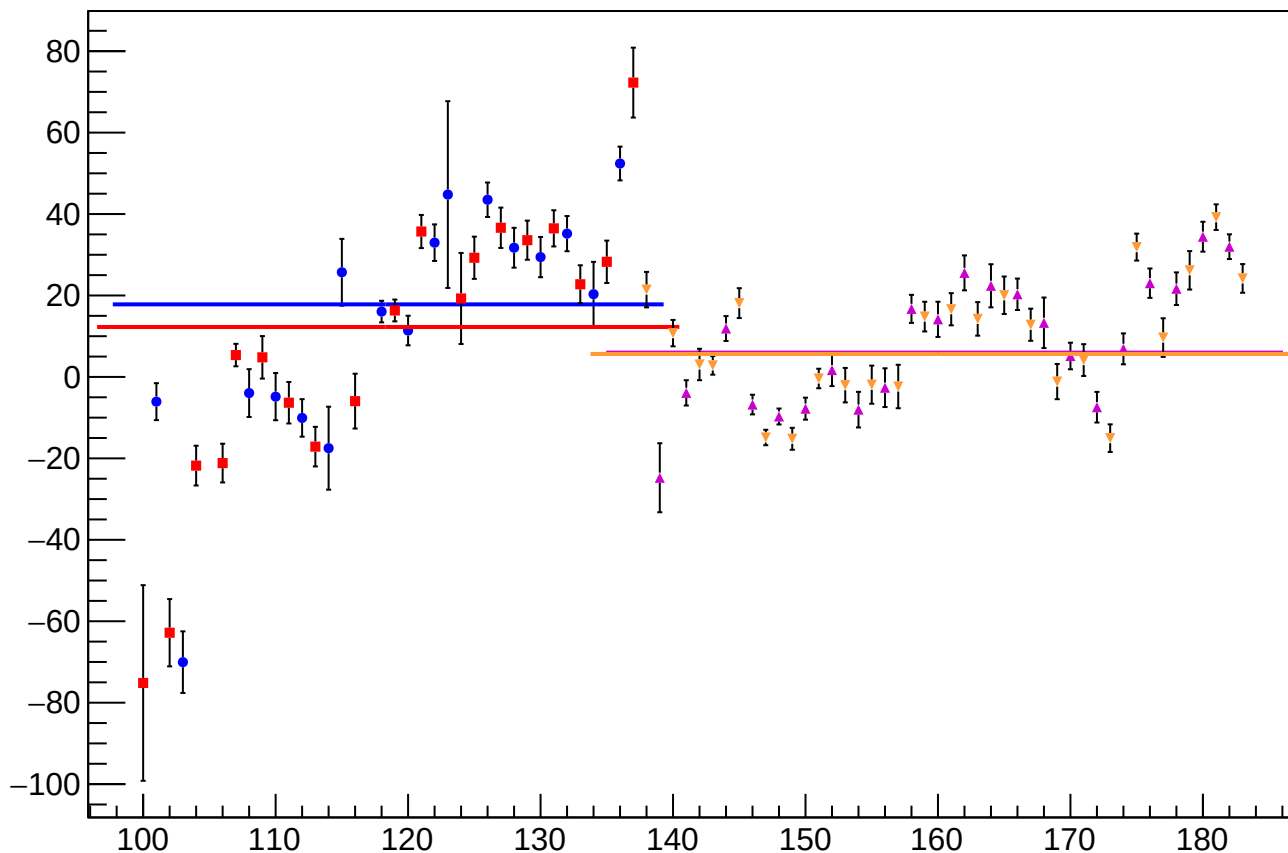
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 191.444+/-0.969 χ^2/NDF :2373.6/21

Out: 181.374+/-0.921 χ^2/NDF :3287.7/23

All: 186.157+/-0.668 χ^2/NDF : 5718.0/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.818+/-1.168 χ^2/NDF : 394.0/16

Left Out: 5.642+/-0.692 χ^2/NDF : 516.0/23

Right Out: 12.267+/-1.085 χ^2/NDF : 443.0/18

Left In: 5.981+/-0.739 χ^2/NDF : 402.7/21

Left: 5.800+/-0.505 χ^2/NDF : 918.9/45

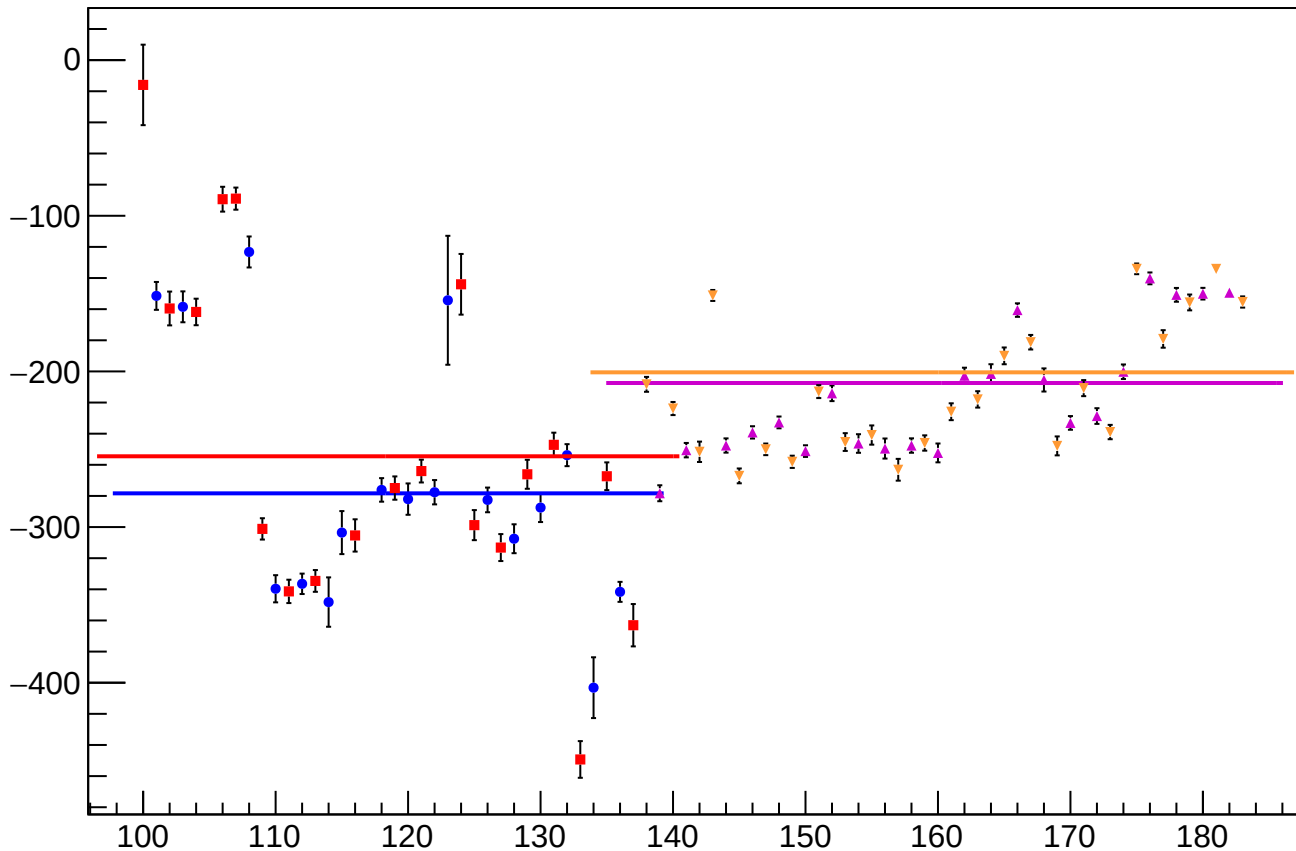
Right: 14.837+/-0.795 χ^2/NDF : 849.2/35

In: 9.363+/-0.624 χ^2/NDF : 870.1/38

Out: 7.559+/-0.584 χ^2/NDF : 985.6/42

All: 8.400+/-0.426 χ^2/NDF : 1860.1/81

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.336 ± 2.190 χ^2/NDF : 910.1/16

Left Out: -200.589 ± 0.925 χ^2/NDF : 2465.7/23

Right Out: -254.529 ± 2.023 χ^2/NDF : 2036.7/18

Left In: -207.437 ± 0.964 χ^2/NDF : 2070.4/21

Left: -203.873 ± 0.667 χ^2/NDF : 4562.4/45

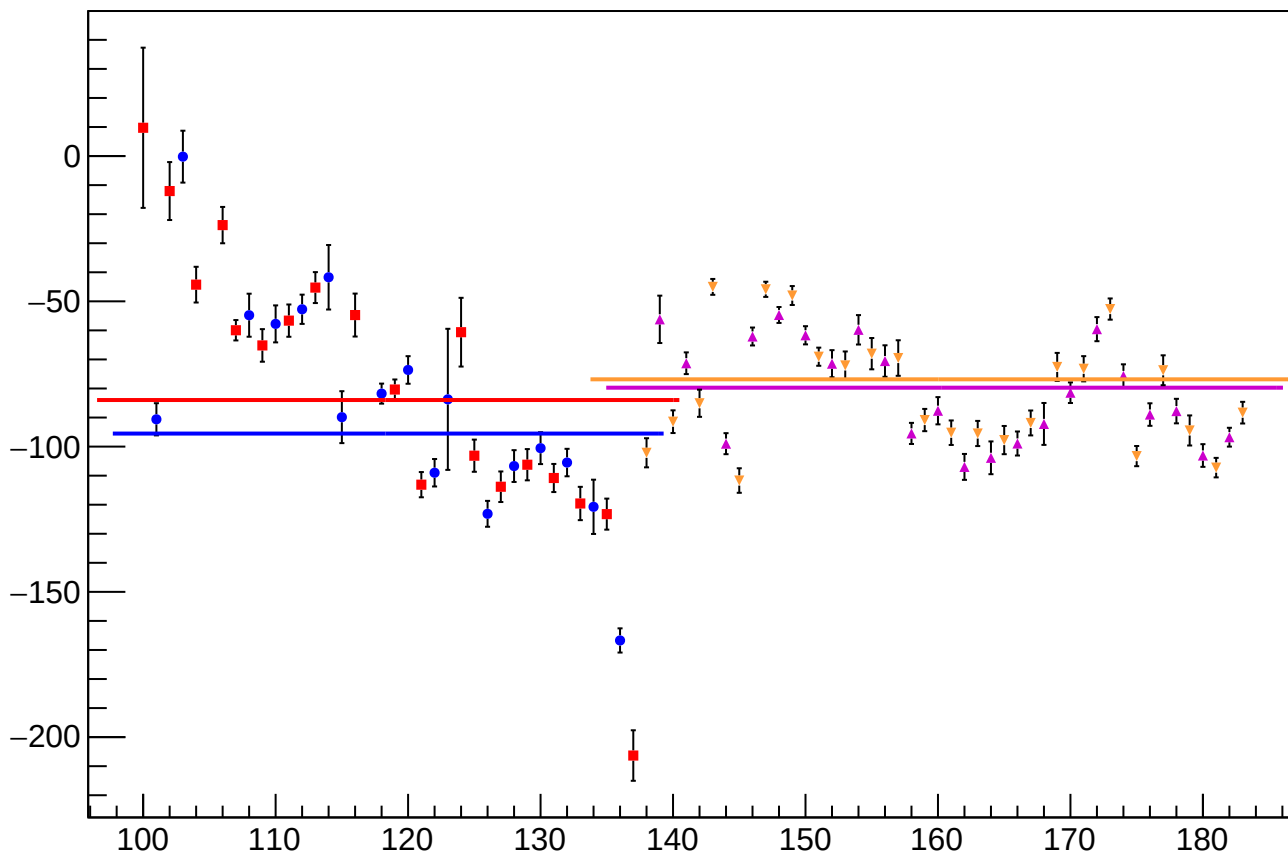
Right: -265.492 ± 1.486 χ^2/NDF : 3010.6/35

In: -218.944 ± 0.882 χ^2/NDF : 3858.8/38

Out: -209.918 ± 0.841 χ^2/NDF : 5090.4/42

All: -214.217 ± 0.609 χ^2/NDF : 9004.0/81

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.515 ± 1.344 χ^2/NDF : 669.2/16

Left Out: -76.844 ± 0.802 χ^2/NDF : 765.2/23

Right Out: -83.971 ± 1.259 χ^2/NDF : 781.5/18

Left In: -79.724 ± 0.849 χ^2/NDF : 412.0/21

Left: -78.203 ± 0.583 χ^2/NDF : 1183.2/45

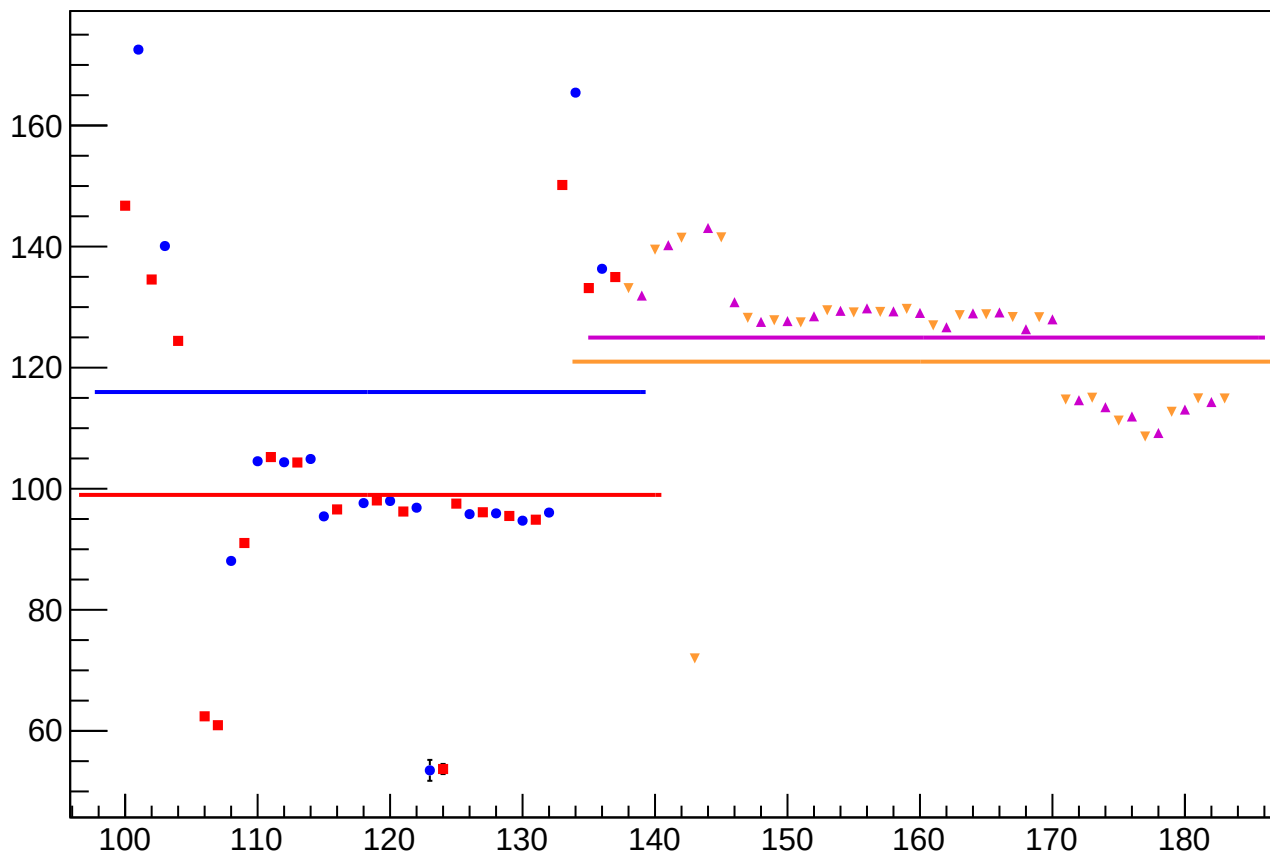
Right: -89.367 ± 0.919 χ^2/NDF : 1490.0/35

In: -84.232 ± 0.718 χ^2/NDF : 1179.9/38

Out: -78.903 ± 0.677 χ^2/NDF : 1569.4/42

All: -81.410 ± 0.492 χ^2/NDF : 2778.5/81

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.974 $\pm$ 0.079 χ^2/NDF : 105656.7/16

Left Out: 120.993 $\pm$ 0.038 χ^2/NDF : 182149.9/23

Right Out: 98.981 $\pm$ 0.069 χ^2/NDF : 172977.7/18

Left In: 124.968 $\pm$ 0.040 χ^2/NDF : 49994.8/21

Left: 122.914 $\pm$ 0.028 χ^2/NDF : 237307.0/45

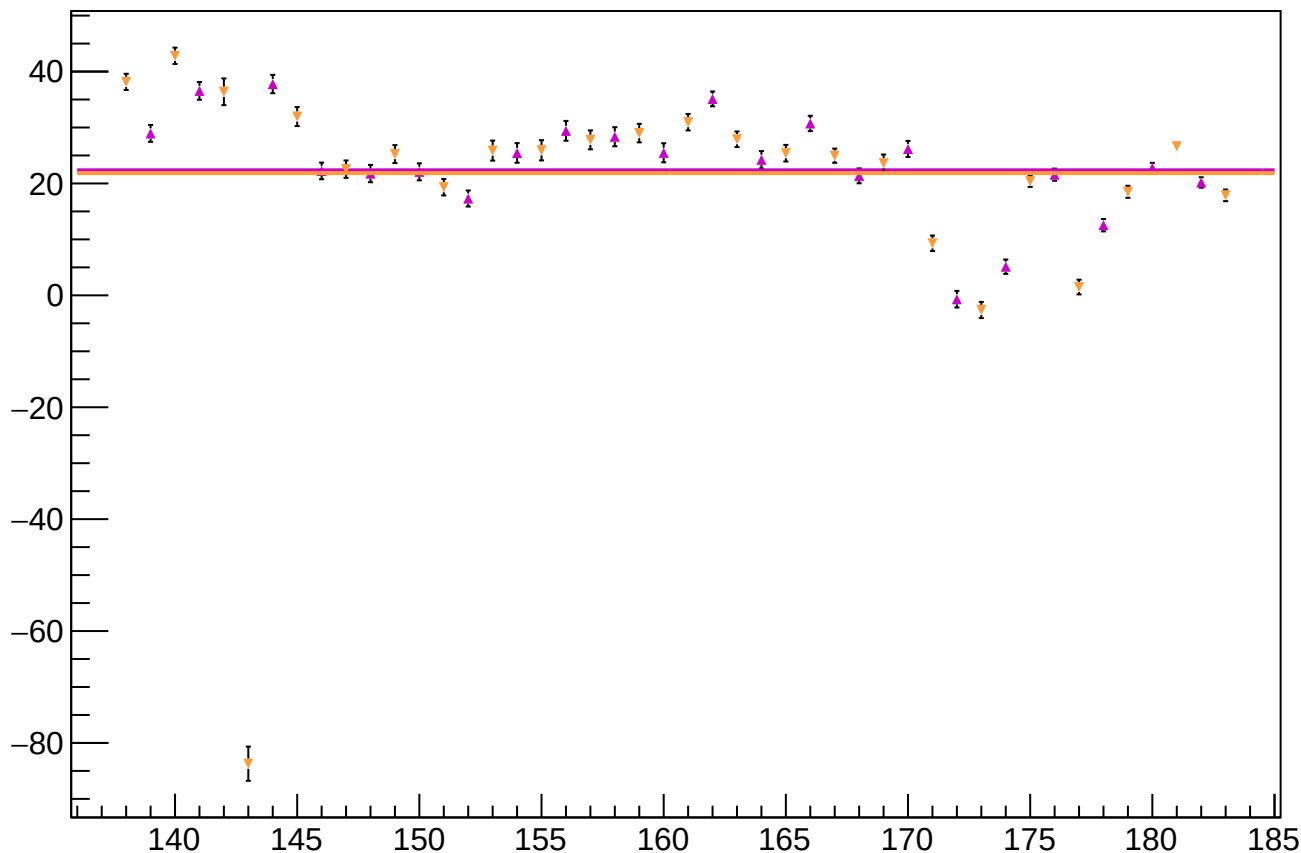
Right: 106.337 $\pm$ 0.052 χ^2/NDF : 305183.9/35

In: 123.133 $\pm$ 0.035 χ^2/NDF : 166091.3/38

Out: 115.730 $\pm$ 0.034 χ^2/NDF : 433435.4/42

All: 119.225 $\pm$ 0.024 χ^2/NDF : 622511.8/81

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 21.850+/-0.285 χ^2/NDF :2382.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 22.344+/-0.289 χ^2/NDF :879.6/21

Left: 22.093+/-0.203 χ^2/NDF : 3263.3/45

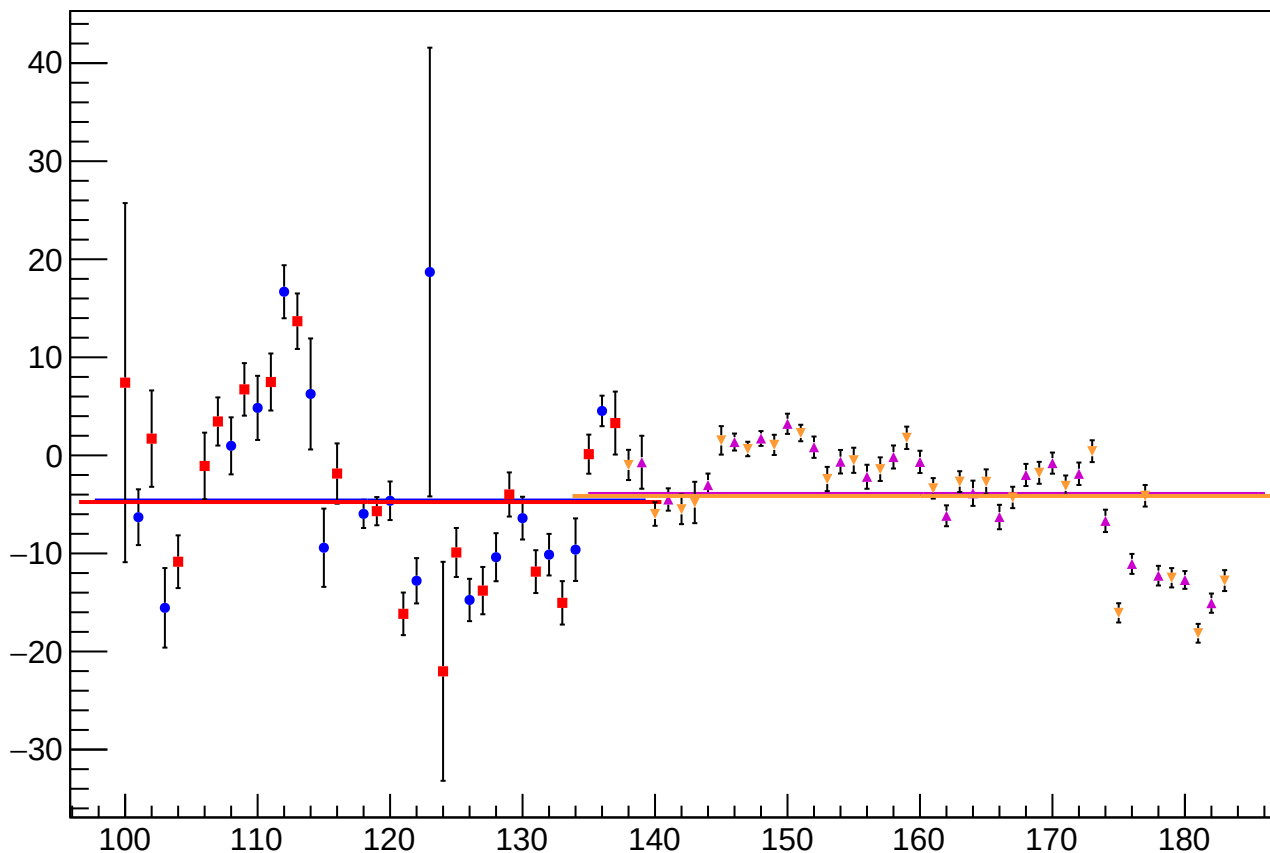
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 22.344+/-0.289 χ^2/NDF :879.6/21

Out: 21.850+/-0.285 χ^2/NDF :2382.3/23

All: 22.093+/-0.203 χ^2/NDF : 3263.3/45

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.606 ± 0.589 $\chi^2/\text{NDF}: 173.4/16$

Left Out: -4.138 ± 0.225 $\chi^2/\text{NDF}: 715.4/23$

Right Out: -4.758 ± 0.585 $\chi^2/\text{NDF}: 192.3/18$

Left In: -3.934 ± 0.230 $\chi^2/\text{NDF}: 560.5/21$

Left: -4.039 ± 0.161 $\chi^2/\text{NDF}: 1276.3/45$

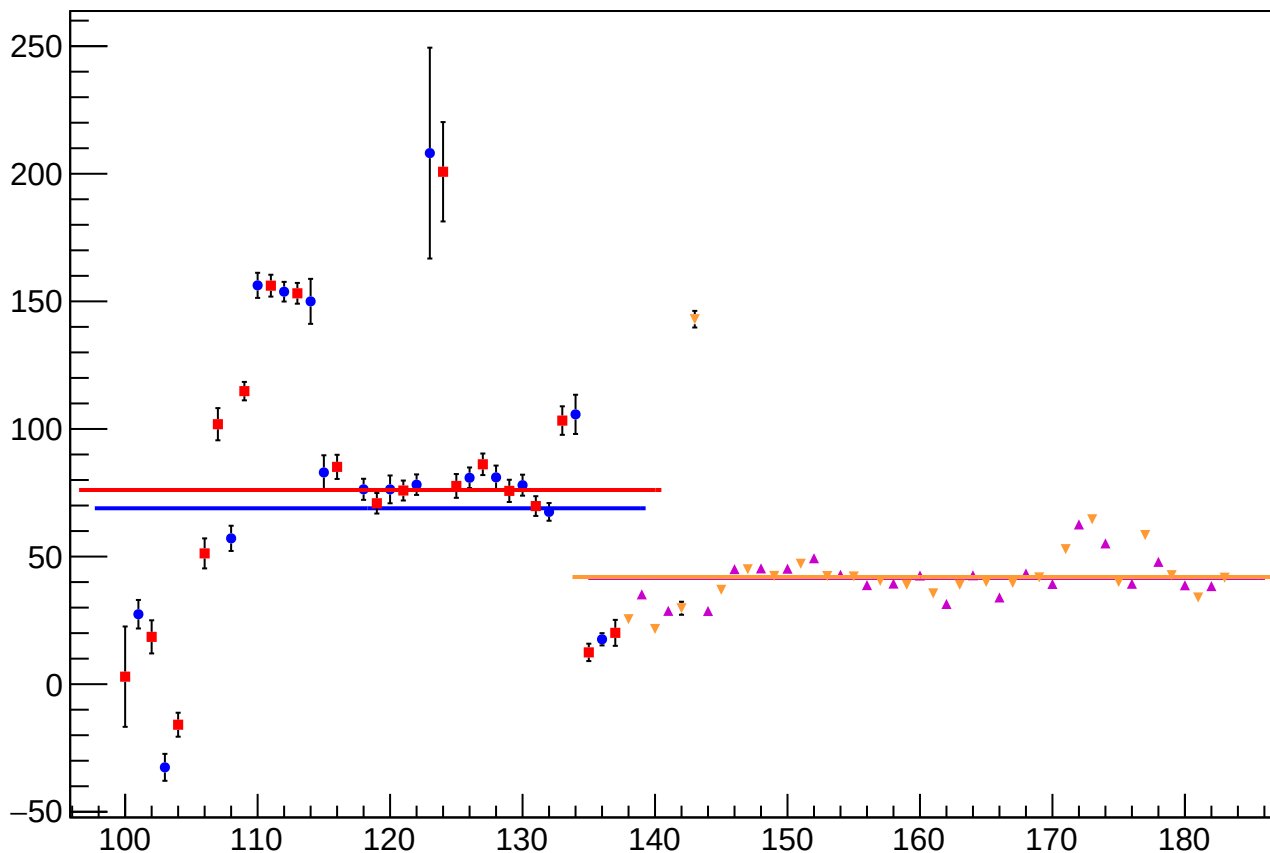
Right: -4.683 ± 0.415 $\chi^2/\text{NDF}: 365.7/35$

In: -4.023 ± 0.214 $\chi^2/\text{NDF}: 735.0/38$

Out: -4.218 ± 0.210 $\chi^2/\text{NDF}: 908.6/42$

All: -4.123 ± 0.150 $\chi^2/\text{NDF}: 1644.1/81$

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 68.921 ± 1.086 $\chi^2/\text{NDF}: 1844.0/16$

Left Out: 41.990 ± 0.284 $\chi^2/\text{NDF}: 1855.6/23$

Right Out: 76.086 ± 1.072 $\chi^2/\text{NDF}: 1881.7/18$

Left In: 41.615 ± 0.288 $\chi^2/\text{NDF}: 627.1/21$

Left: 41.805 ± 0.202 $\chi^2/\text{NDF}: 2483.6/45$

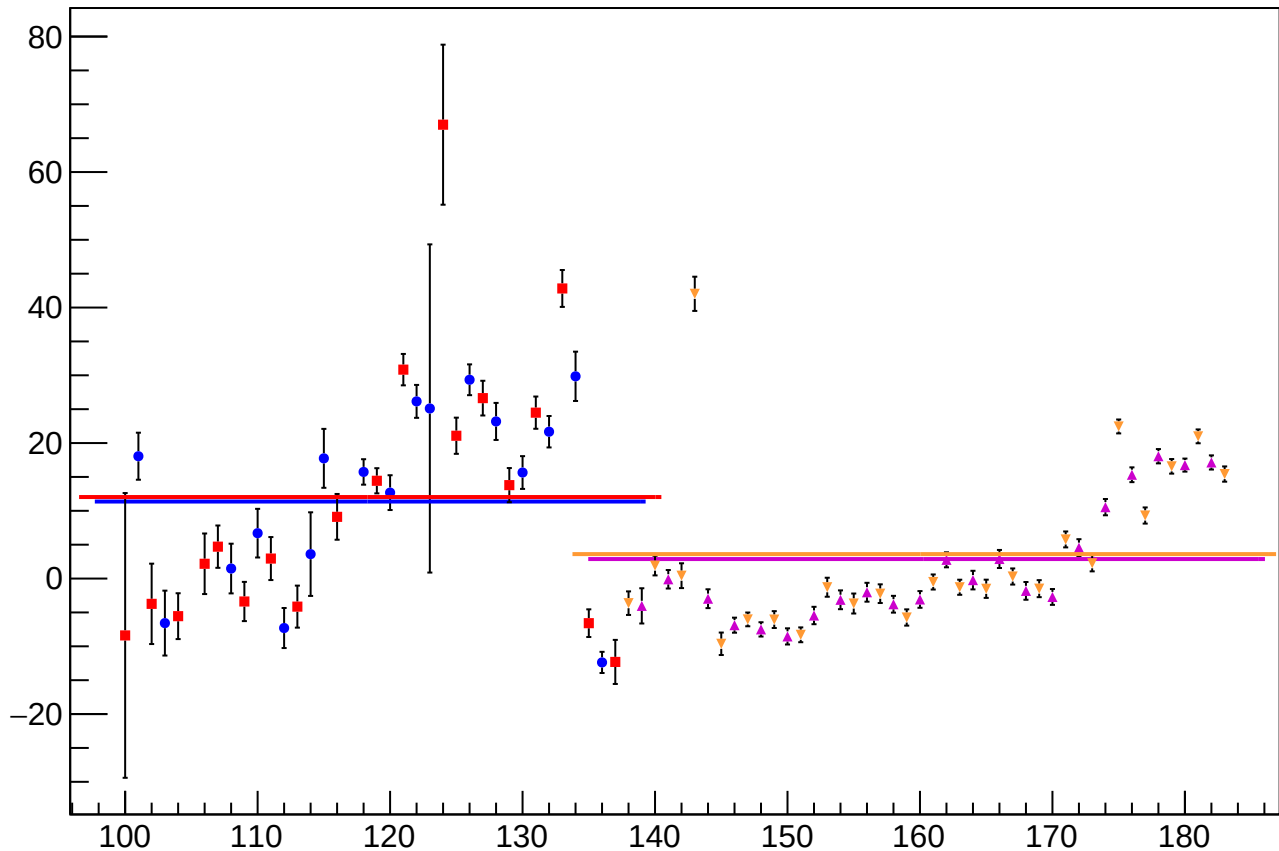
Right: 72.550 ± 0.763 $\chi^2/\text{NDF}: 3747.7/35$

In: 43.406 ± 0.278 $\chi^2/\text{NDF}: 3062.1/38$

Out: 44.231 ± 0.275 $\chi^2/\text{NDF}: 4682.7/42$

All: 43.824 ± 0.195 $\chi^2/\text{NDF}: 7749.2/81$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.369+/-0.667 χ^2/NDF : 474.4/16

Left Out: 3.610+/-0.254 χ^2/NDF : 1680.4/23

Right Out: 12.033+/-0.665 χ^2/NDF : 537.8/18

Left In: 2.879+/-0.260 χ^2/NDF : 1234.4/21

Left: 3.252+/-0.182 χ^2/NDF : 2918.9/45

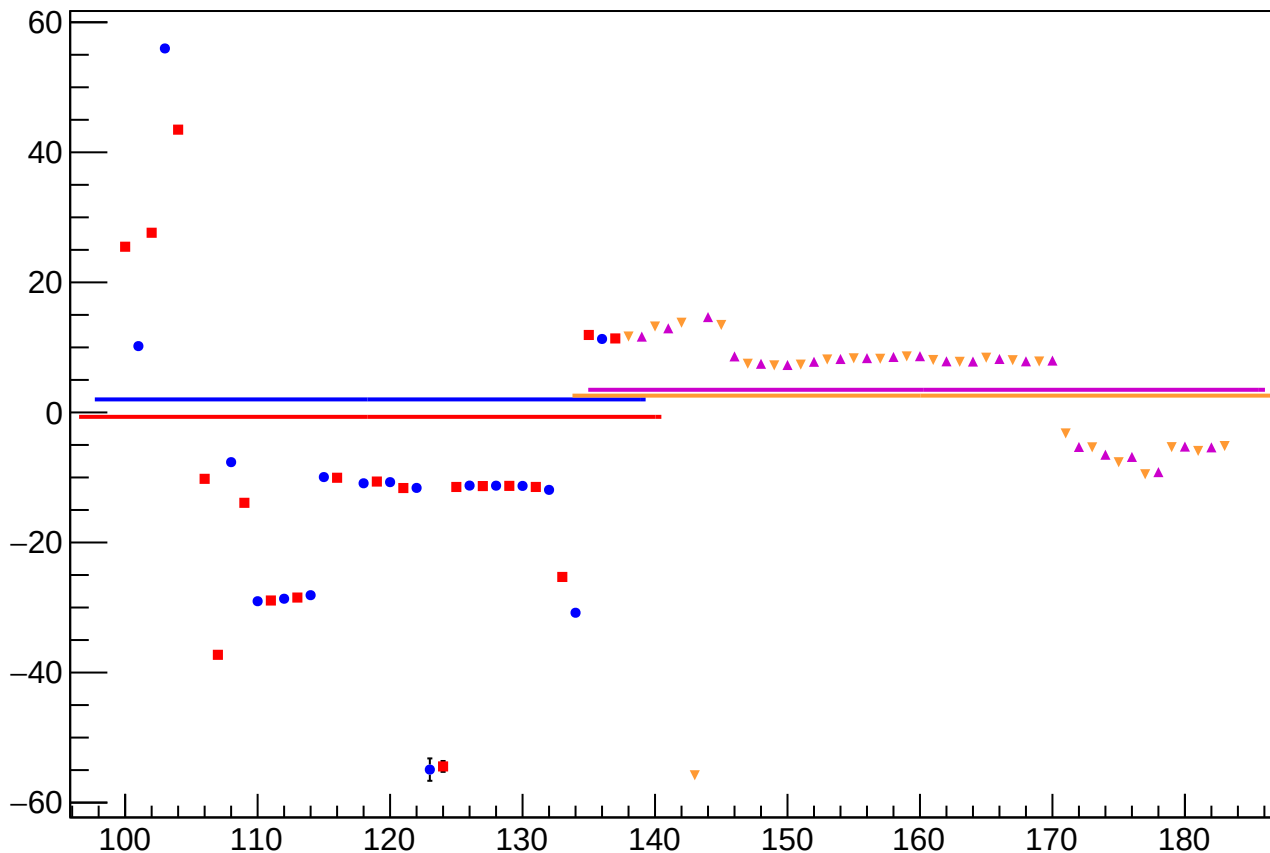
Right: 11.702+/-0.471 χ^2/NDF : 1012.6/35

In: 3.996+/-0.242 χ^2/NDF : 1849.5/38

Out: 4.685+/-0.238 χ^2/NDF : 2358.1/42

All: 4.346+/-0.169 χ^2/NDF : 4211.7/81

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.002 $\pm$ 0.037 χ^2 /NDF: 357872.4/16

Left Out: 2.585 $\pm$ 0.012 χ^2 /NDF:607883.5/23

Right Out: -0.678 $\pm$ 0.037 χ^2 /NDF: 360956.7/18

Left In: 3.483 $\pm$ 0.012 χ^2 /NDF:392138.5/21

Left: 3.030 $\pm$ 0.008 χ^2 /NDF: 1002951.8/45

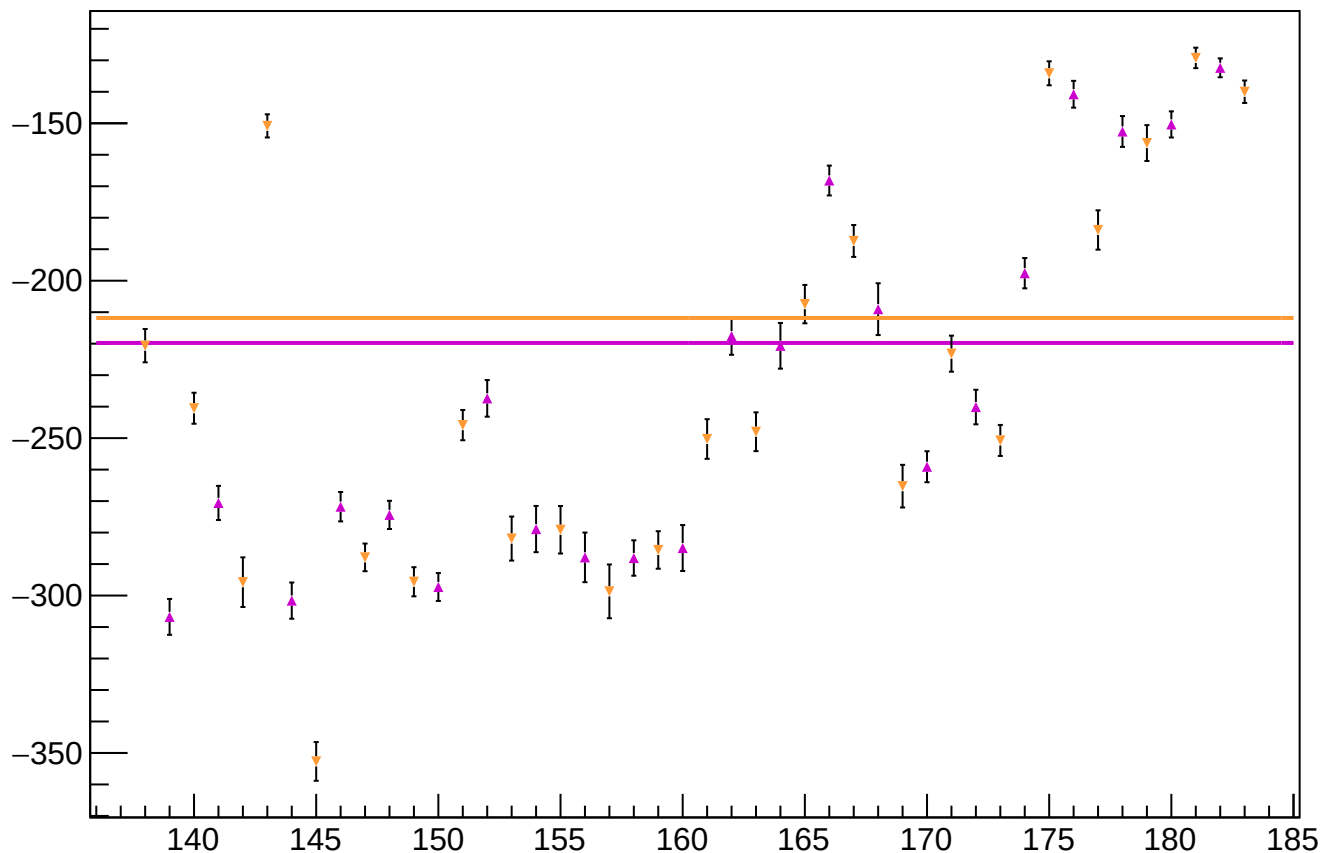
Right: 0.661 $\pm$ 0.026 χ^2 /NDF: 721427.3/35

In: 3.348 $\pm$ 0.011 χ^2 /NDF:751451.4/38

Out: 2.291 $\pm$ 0.011 χ^2 /NDF:975853.5/42

All: 2.816 $\pm$ 0.008 χ^2 /NDF: 1731765.6/81

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -211.831 ± 1.040 $\chi^2/\text{NDF}: 3868.1/23$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -219.768 ± 1.087 $\chi^2/\text{NDF}: 3357.3/21$

Left: -215.625 ± 0.751 $\chi^2/\text{NDF}: 7253.2/45$

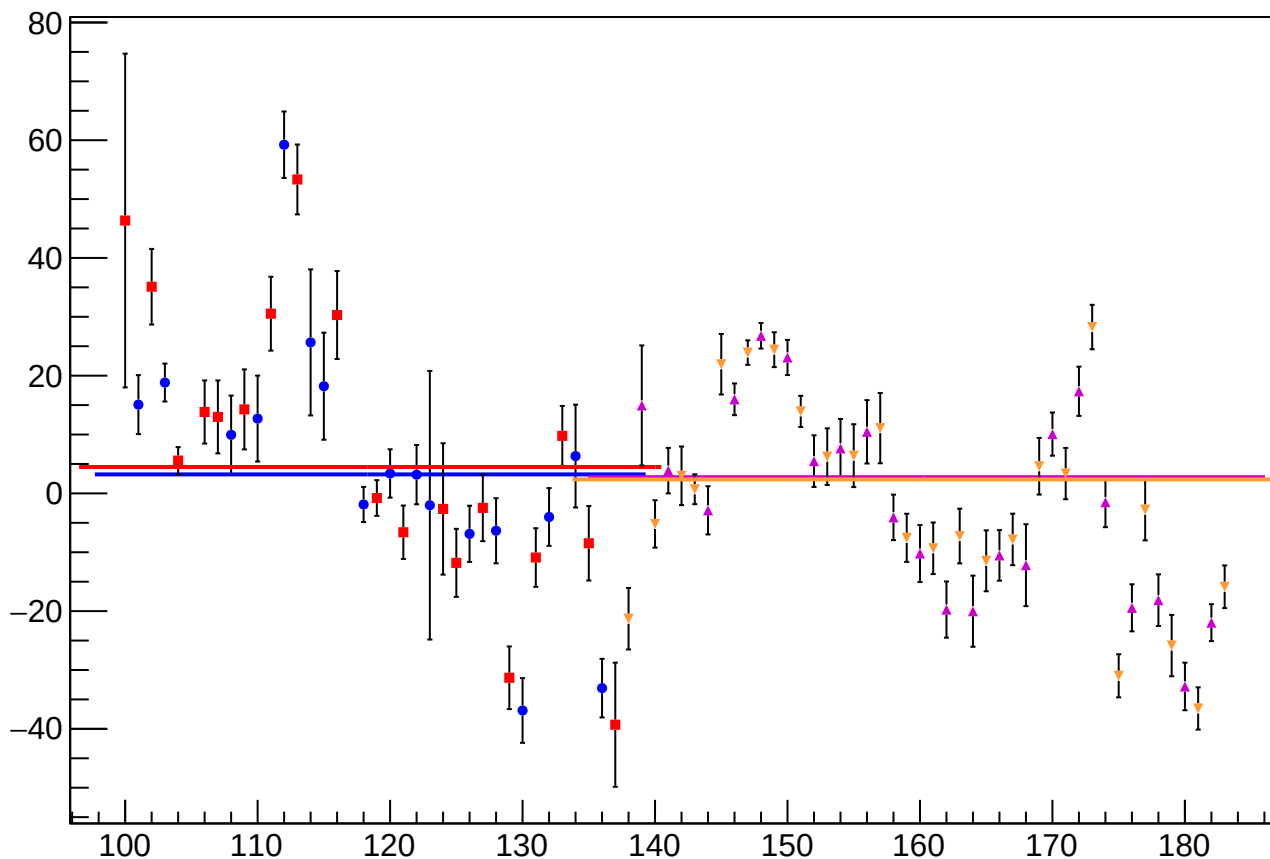
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -219.768 ± 1.087 $\chi^2/\text{NDF}: 3357.3/21$

Out: -211.831 ± 1.040 $\chi^2/\text{NDF}: 3868.1/23$

All: -215.625 ± 0.751 $\chi^2/\text{NDF}: 7253.2/45$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.227+/-1.246 χ^2/NDF : 255.1/16

Left Out: 2.377+/-0.780 χ^2/NDF :557.2/23

Right Out: 4.485+/-1.158 χ^2/NDF : 225.1/18

Left In: 2.756+/-0.832 χ^2/NDF :470.6/21

Left: 2.555+/-0.569 χ^2/NDF : 1028.0/45

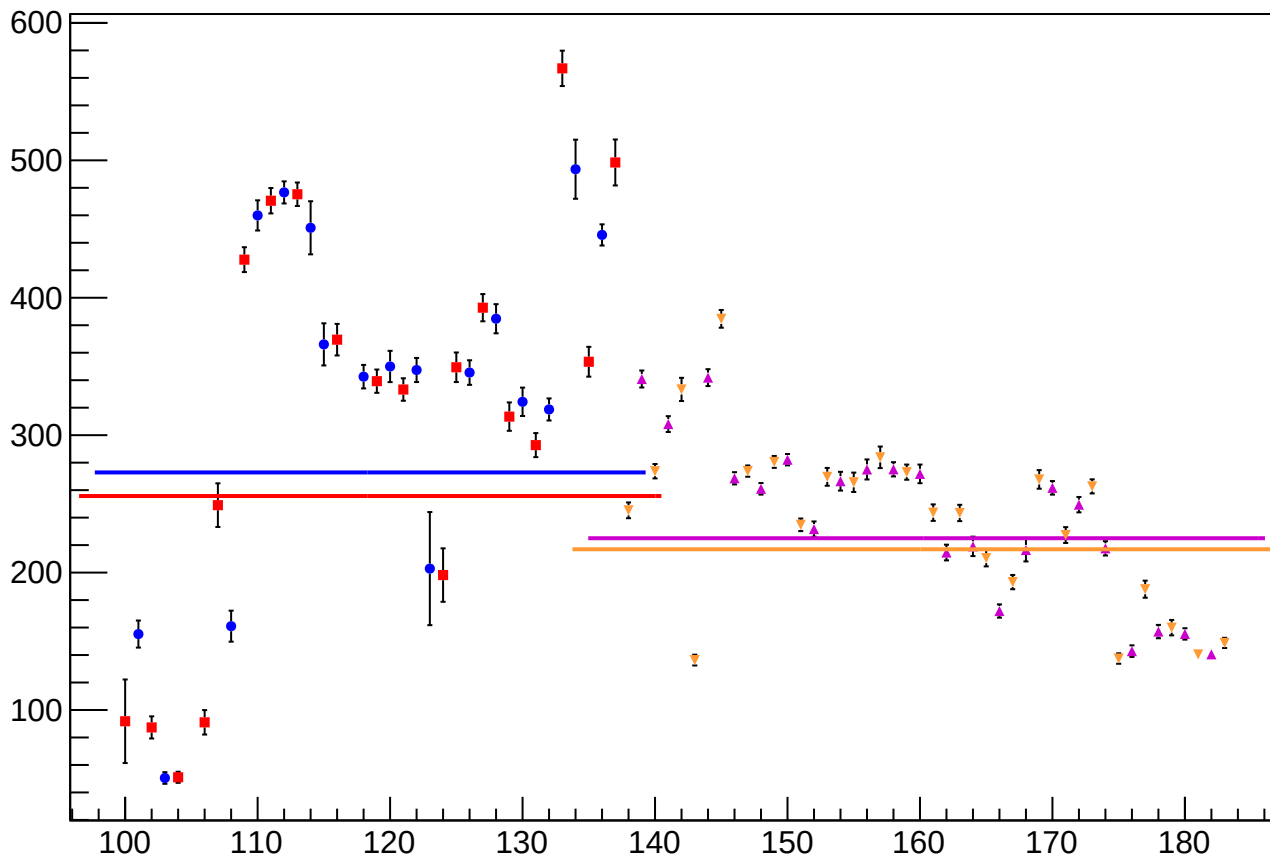
Right: 3.902+/-0.848 χ^2/NDF : 480.8/35

In: 2.901+/-0.692 χ^2/NDF :725.8/38

Out: 3.035+/-0.647 χ^2/NDF :784.7/42

All: 2.973+/-0.473 χ^2/NDF : 1510.5/81

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 272.880 $\pm$ 2.208 χ^2 /NDF: 5091.5/16

Left Out: 216.966 $\pm$ 1.042 χ^2 /NDF: 3756.2/23

Right Out: 255.714 $\pm$ 2.082 χ^2 /NDF: 6433.2/18

Left In: 225.006 $\pm$ 1.080 χ^2 /NDF: 3303.7/21

Left: 220.842 $\pm$ 0.750 χ^2 /NDF: 7088.6/45

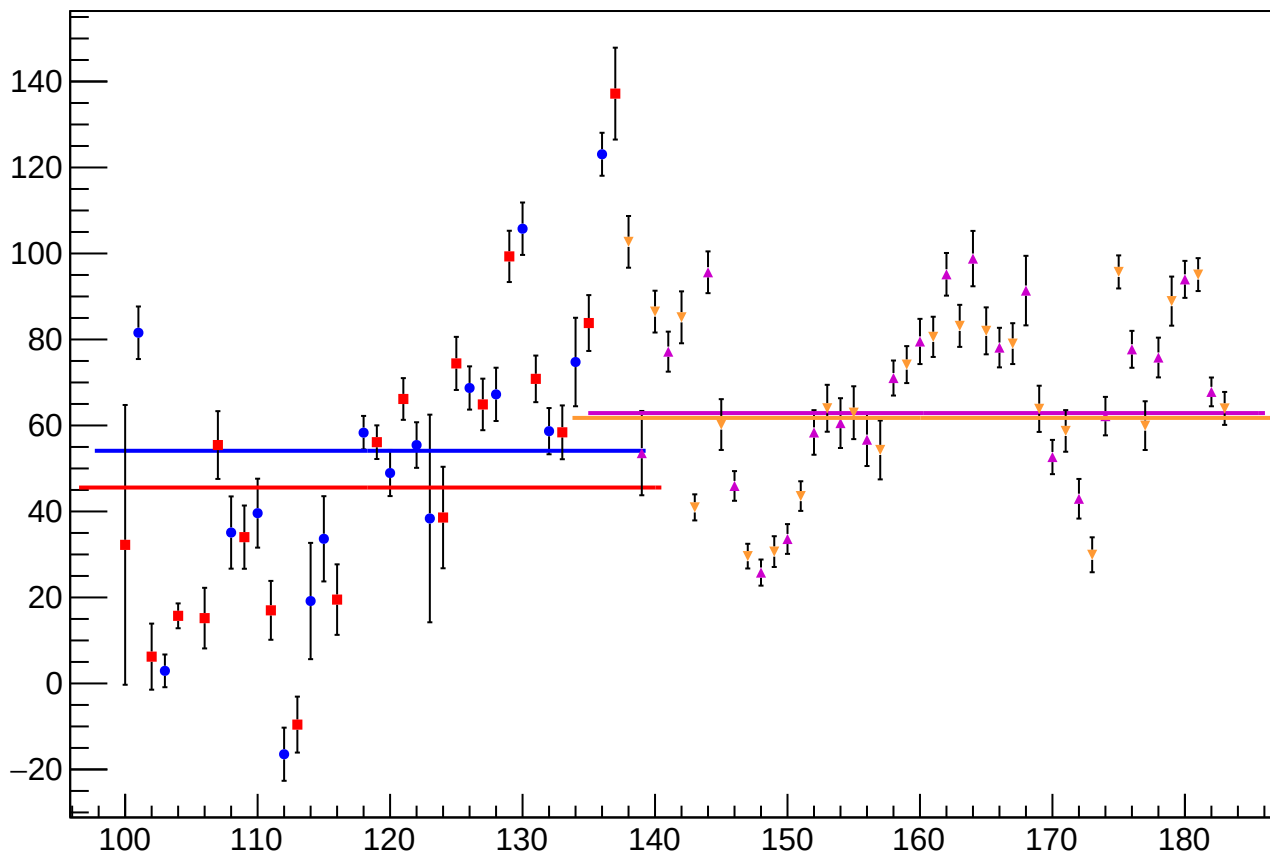
Right: 263.793 $\pm$ 1.515 χ^2 /NDF: 11556.6/35

In: 234.246 $\pm$ 0.970 χ^2 /NDF: 8774.4/38

Out: 224.725 $\pm$ 0.932 χ^2 /NDF: 10466.2/42

All: 229.294 $\pm$ 0.672 χ^2 /NDF: 19290.7/81

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.110 $\pm$ 1.441 χ^2 /NDF: 633.3/16

Left Out: 61.756 $\pm$ 0.904 χ^2 /NDF:673.9/23

Right Out: 45.566 $\pm$ 1.359 χ^2 /NDF: 528.2/18

Left In: 62.881 $\pm$ 0.955 χ^2 /NDF:512.9/21

Left: 62.288 $\pm$ 0.657 χ^2 /NDF: 1187.5/45

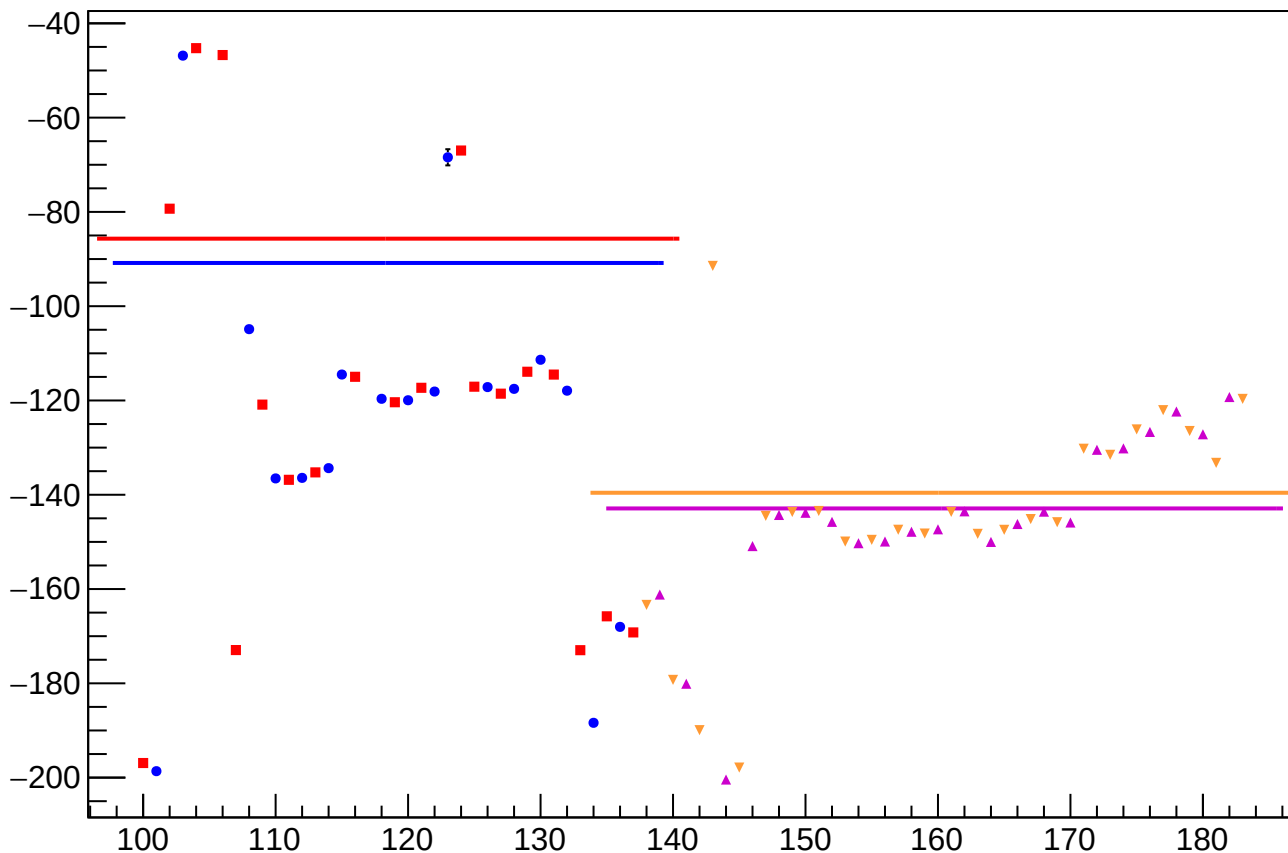
Right: 49.589 $\pm$ 0.989 χ^2 /NDF: 1180.1/35

In: 60.204 $\pm$ 0.796 χ^2 /NDF:1171.9/38

Out: 56.787 $\pm$ 0.753 χ^2 /NDF:1300.5/42

All: 58.401 $\pm$ 0.547 χ^2 /NDF: 2482.1/81

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.830 ± 0.068 $\chi^2/\text{NDF}: 533047.0/16$

Left Out: -139.575 ± 0.043 $\chi^2/\text{NDF}: 252050.5/23$

Right Out: -85.675 ± 0.065 $\chi^2/\text{NDF}: 493800.4/18$

Left In: -142.903 ± 0.045 $\chi^2/\text{NDF}: 137297.2/21$

Left: -141.189 ± 0.031 $\chi^2/\text{NDF}: 392196.5/45$

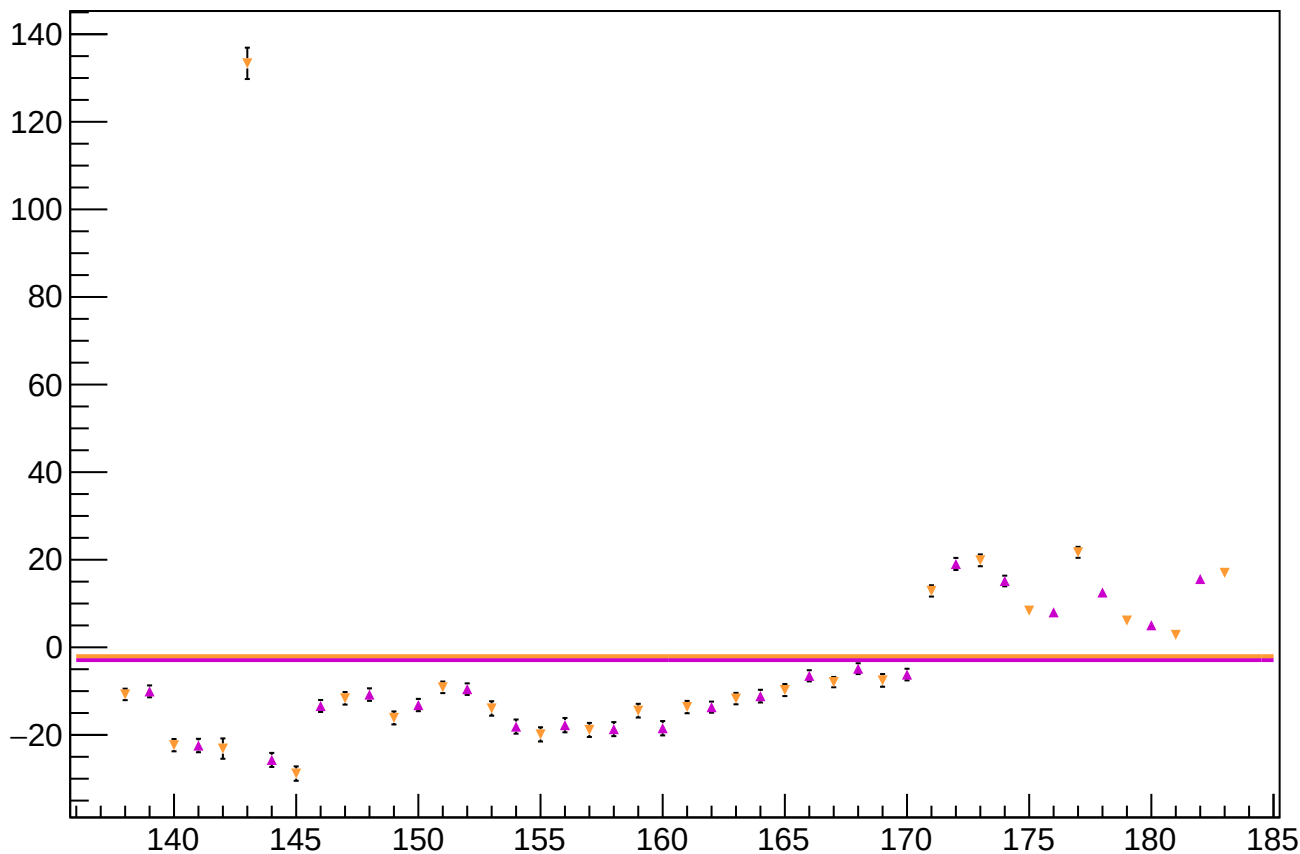
Right: -88.148 ± 0.047 $\chi^2/\text{NDF}: 1029854.7/35$

In: -127.108 ± 0.037 $\chi^2/\text{NDF}: 1081207.3/38$

Out: -122.985 ± 0.036 $\chi^2/\text{NDF}: 1220241.7/42$

All: -124.978 ± 0.026 $\chi^2/\text{NDF}: 2307747.5/81$

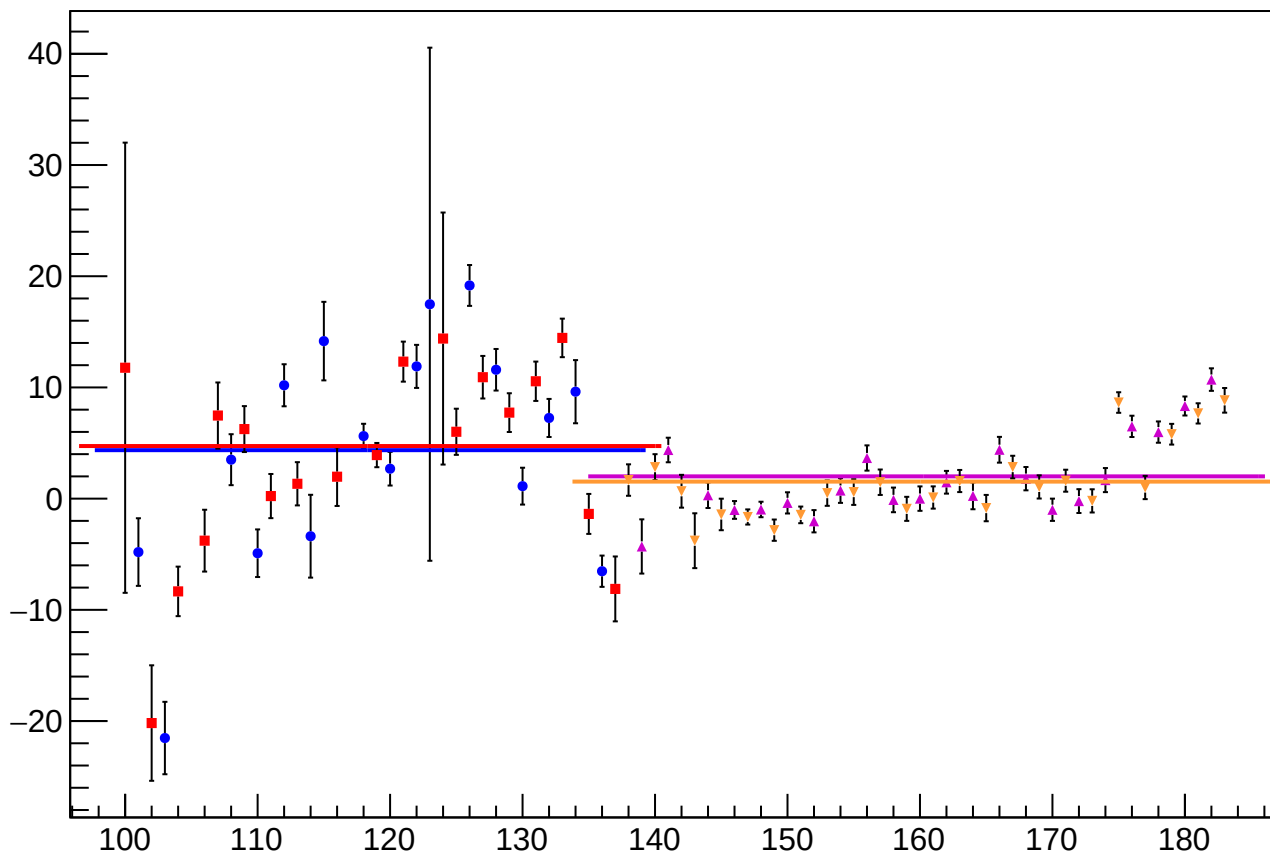
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.032+/-0.270 χ^2/NDF :4009.6/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.910+/-0.274 χ^2/NDF :2284.0/21

Left: -2.464+/-0.192 χ^2/NDF : 6298.8/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.910+/-0.274 χ^2/NDF :2284.0/21
 Out: -2.032+/-0.270 χ^2/NDF :4009.6/23
 All: -2.464+/-0.192 χ^2/NDF : 6298.8/45

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.358 $\pm$ 0.472 χ^2 /NDF: 280.7/16

Left Out: 1.532 $\pm$ 0.212 χ^2 /NDF:255.9/23

Right Out: 4.729 $\pm$ 0.474 χ^2 /NDF: 183.8/18

Left In: 2.002 $\pm$ 0.217 χ^2 /NDF:267.0/21

Left: 1.762 $\pm$ 0.151 χ^2 /NDF: 525.2/45

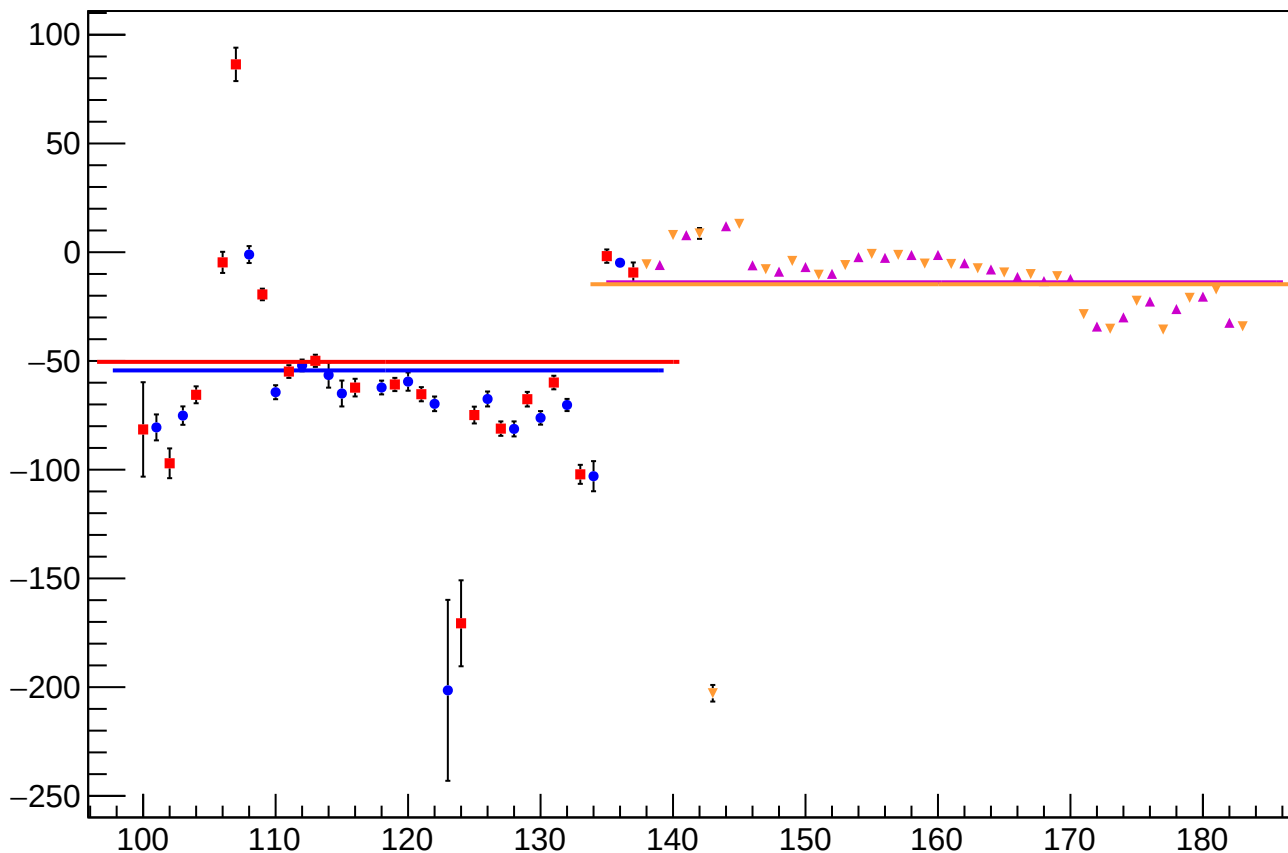
Right: 4.543 $\pm$ 0.334 χ^2 /NDF: 464.8/35

In: 2.413 $\pm$ 0.197 χ^2 /NDF:568.3/38

Out: 2.064 $\pm$ 0.193 χ^2 /NDF:477.6/42

All: 2.235 $\pm$ 0.138 χ^2 /NDF: 1047.4/81

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.358+/-0.870 χ^2/NDF : 1014.3/16

Left Out: -14.724+/-0.269 χ^2/NDF : 4509.1/23

Right Out: -50.421+/-0.859 χ^2/NDF : 1316.6/18

Left In: -13.829+/-0.272 χ^2/NDF : 1817.1/21

Left: -14.282+/-0.191 χ^2/NDF : 6331.7/45

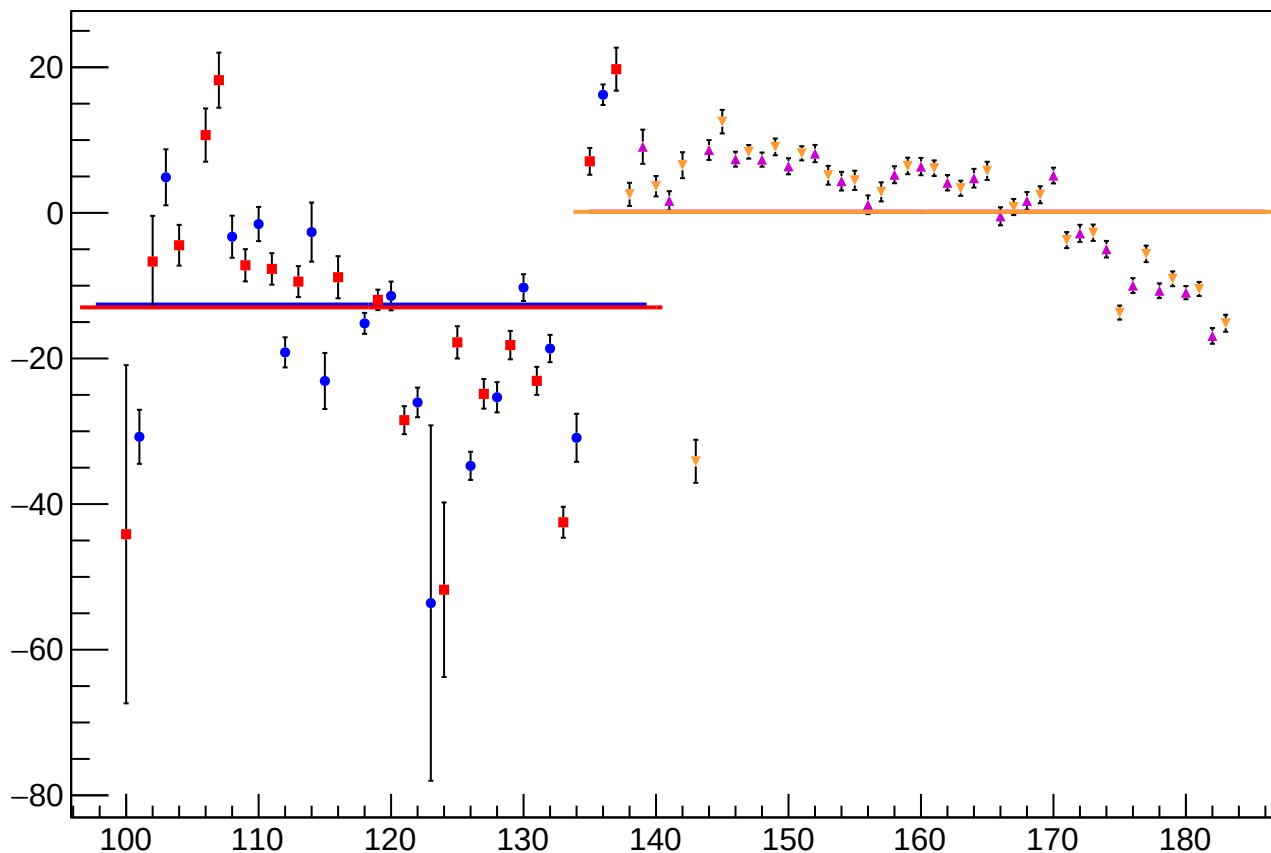
Right: -52.364+/-0.611 χ^2/NDF : 2341.3/35

In: -17.435+/-0.260 χ^2/NDF : 4807.4/38

Out: -17.903+/-0.256 χ^2/NDF : 7398.5/42

All: -17.672+/-0.182 χ^2/NDF : 12207.5/81

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.592 ± 0.538 χ^2/NDF : 779.7/16

Left Out: 0.148 ± 0.240 χ^2/NDF : 1167.5/23

Right Out: -12.981 ± 0.539 χ^2/NDF : 721.9/18

Left In: 0.166 ± 0.245 χ^2/NDF : 982.9/21

Left: 0.157 ± 0.171 χ^2/NDF : 2150.4/45

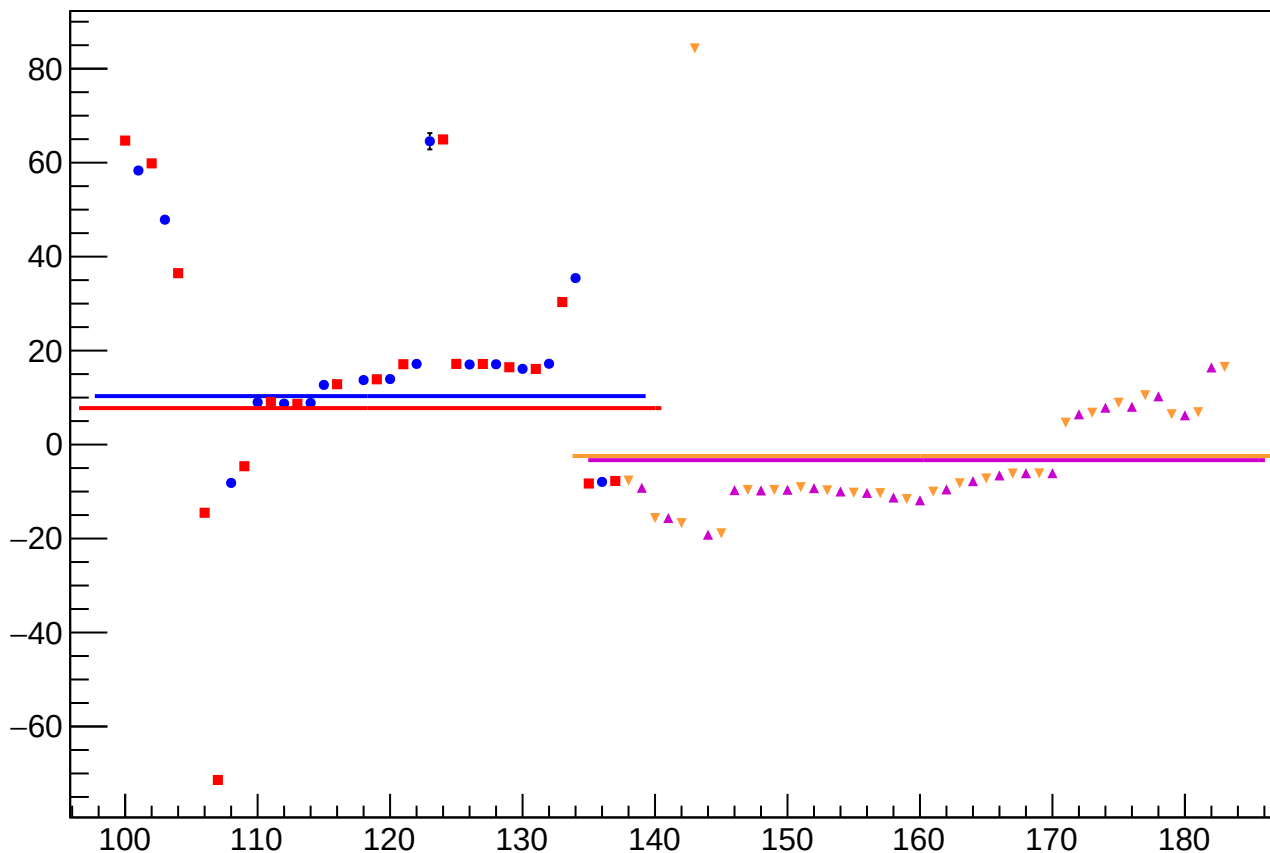
Right: -12.786 ± 0.380 χ^2/NDF : 1501.9/35

In: -2.029 ± 0.223 χ^2/NDF : 2229.0/38

Out: -2.025 ± 0.219 χ^2/NDF : 2385.2/42

All: -2.027 ± 0.156 χ^2/NDF : 4614.2/81

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.315+/-0.031 χ^2 /NDF: 380737.7/16

Left Out: -2.432+/-0.011 χ^2 /NDF:1044813.6/23

Right Out: 7.762+/-0.031 χ^2 /NDF: 543895.1/18

Left In: -3.318+/-0.011 χ^2 /NDF:704540.0/21

Left: -2.872+/-0.008 χ^2 /NDF: 1752561.7/45

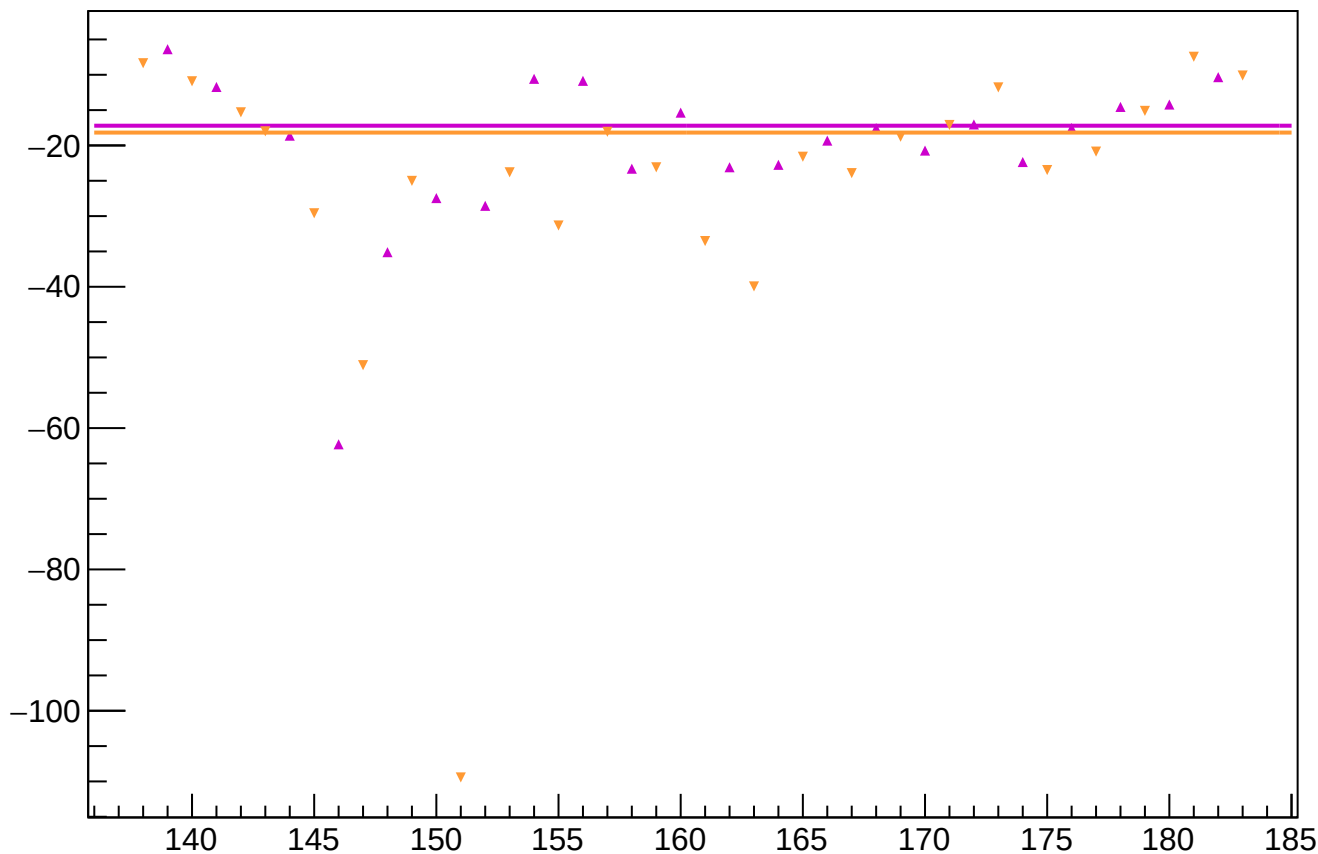
Right: 9.064+/-0.022 χ^2 /NDF: 928013.8/35

In: -1.744+/-0.010 χ^2 /NDF:1259434.3/38

Out: -1.310+/-0.010 χ^2 /NDF:1682837.9/42

All: -1.526+/-0.007 χ^2 /NDF: 2943138.3/81

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.179+/-0.039 χ^2/NDF : 88484.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -17.207+/-0.039 χ^2/NDF : 43599.0/21

Left: -17.686+/-0.028 χ^2/NDF : 132392.4/45

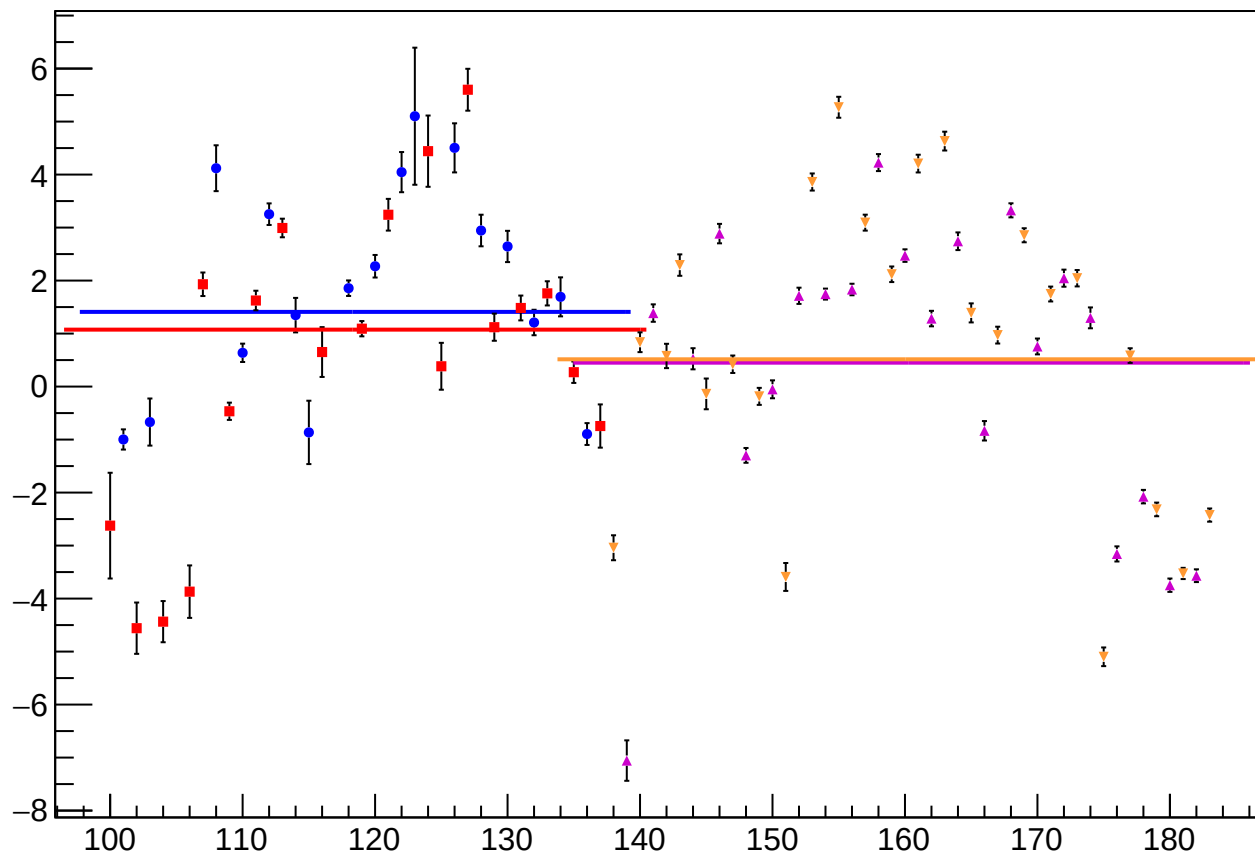
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.207+/-0.039 χ^2/NDF : 43599.0/21

Out: -18.179+/-0.039 χ^2/NDF : 88484.5/23

All: -17.686+/-0.028 χ^2/NDF : 132392.4/45

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.409 ± 0.062 χ^2/NDF : 634.6/16

Left Out: 0.515 ± 0.033 χ^2/NDF : 7050.7/23

Right Out: 1.074 ± 0.058 χ^2/NDF : 942.5/18

Left In: 0.451 ± 0.031 χ^2/NDF : 6106.0/21

Left: 0.481 ± 0.023 χ^2/NDF : 13158.7/45

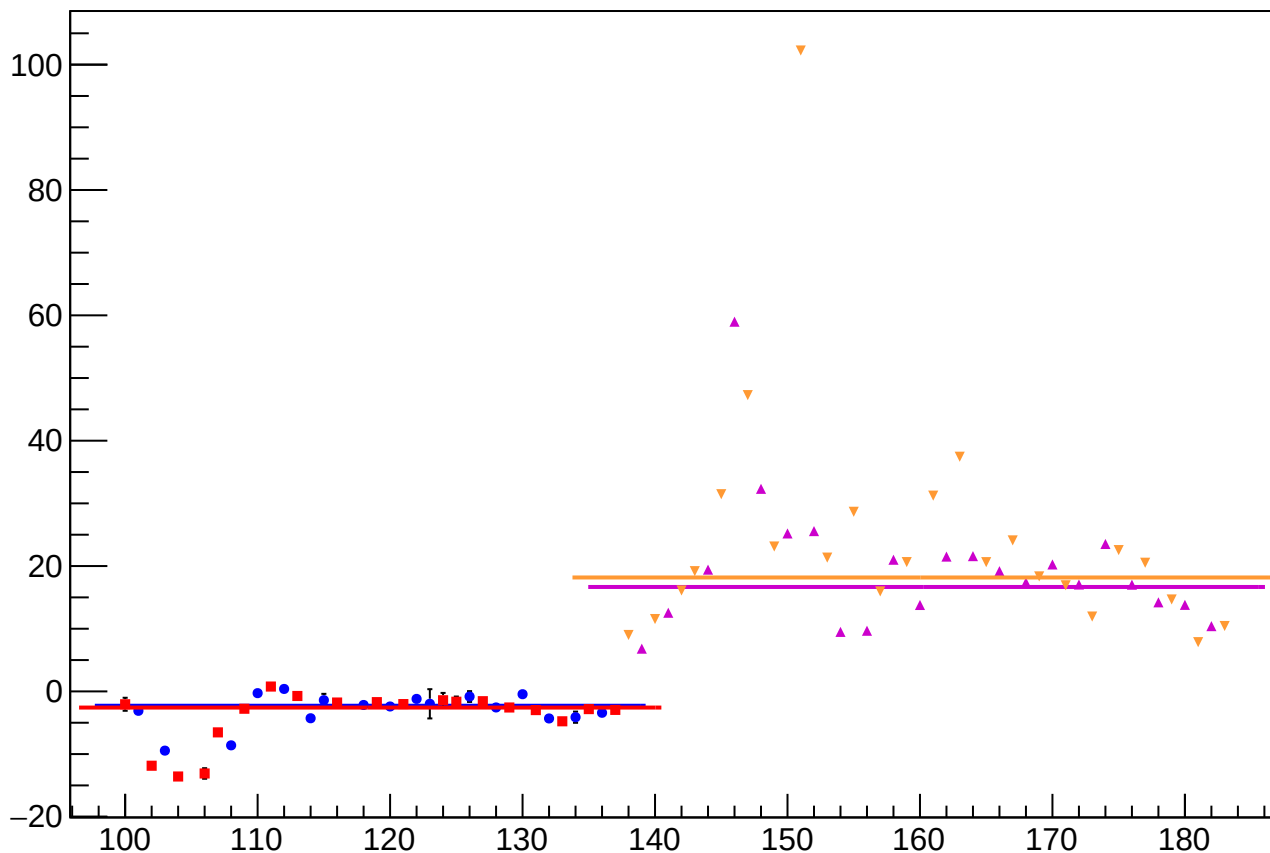
Right: 1.231 ± 0.042 χ^2/NDF : 1592.6/35

In: 0.643 ± 0.028 χ^2/NDF : 6931.1/38

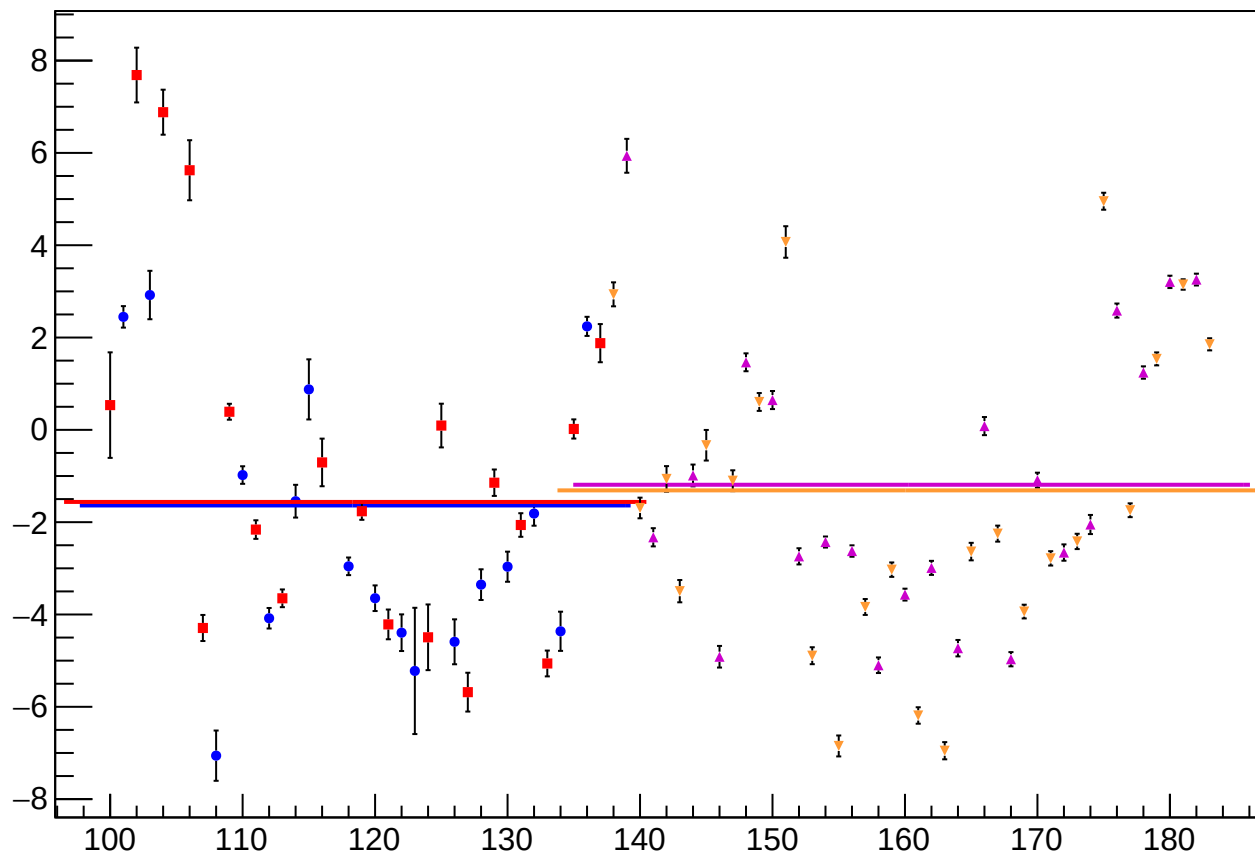
Out: 0.650 ± 0.029 χ^2/NDF : 8063.8/42

All: 0.646 ± 0.020 χ^2/NDF : 14994.9/81

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



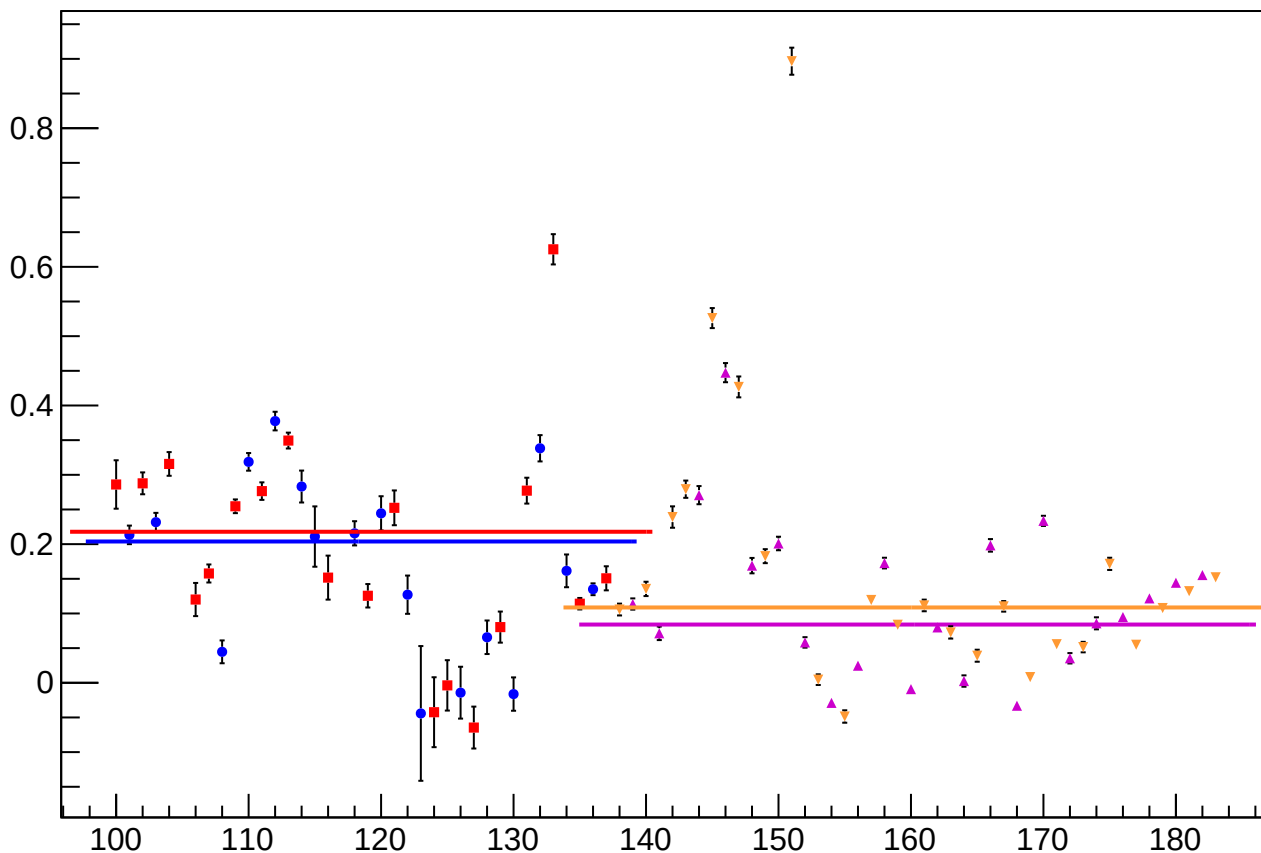
Right In: -1.638 ± 0.071 χ^2/NDF : 1258.5/16
 Left Out: -1.311 ± 0.036 χ^2/NDF : 7920.6/23
 Right Out: -1.561 ± 0.066 χ^2/NDF : 1503.8/18
 Left In: -1.189 ± 0.035 χ^2/NDF : 6621.2/21

Left: -1.247 ± 0.025 χ^2/NDF : 14547.7/45
 Right: -1.597 ± 0.048 χ^2/NDF : 2762.9/35

In: -1.275 ± 0.031 χ^2/NDF : 7911.8/38
 Out: -1.370 ± 0.032 χ^2/NDF : 9435.5/42

All: -1.321 ± 0.022 χ^2/NDF : 17351.9/81

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.204 ± 0.004 $\chi^2/\text{NDF}: 645.6/16$

Left Out: 0.109 ± 0.002 $\chi^2/\text{NDF}: 4357.9/23$

Right Out: 0.218 ± 0.004 $\chi^2/\text{NDF}: 1016.1/18$

Left In: 0.084 ± 0.002 $\chi^2/\text{NDF}: 3553.5/21$

Left: 0.096 ± 0.001 $\chi^2/\text{NDF}: 8033.6/45$

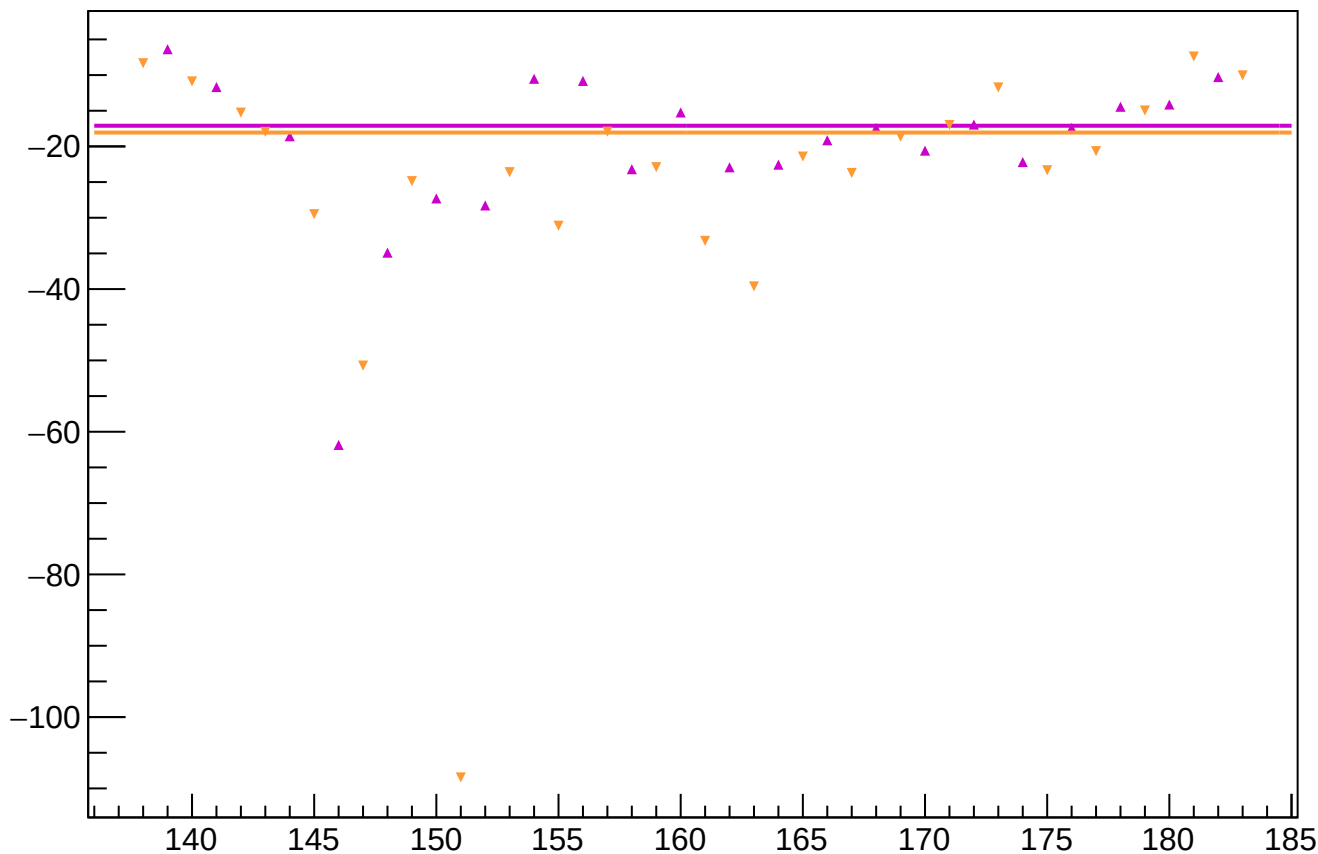
Right: 0.212 ± 0.003 $\chi^2/\text{NDF}: 1668.1/35$

In: 0.098 ± 0.001 $\chi^2/\text{NDF}: 4931.0/38$

Out: 0.126 ± 0.001 $\chi^2/\text{NDF}: 6104.4/42$

All: 0.112 ± 0.001 $\chi^2/\text{NDF}: 11222.3/81$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.056+/-0.039 χ^2/NDF :88323.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -17.101+/-0.039 χ^2/NDF :43519.8/21

Left: -17.572+/-0.027 χ^2/NDF : 132145.6/45

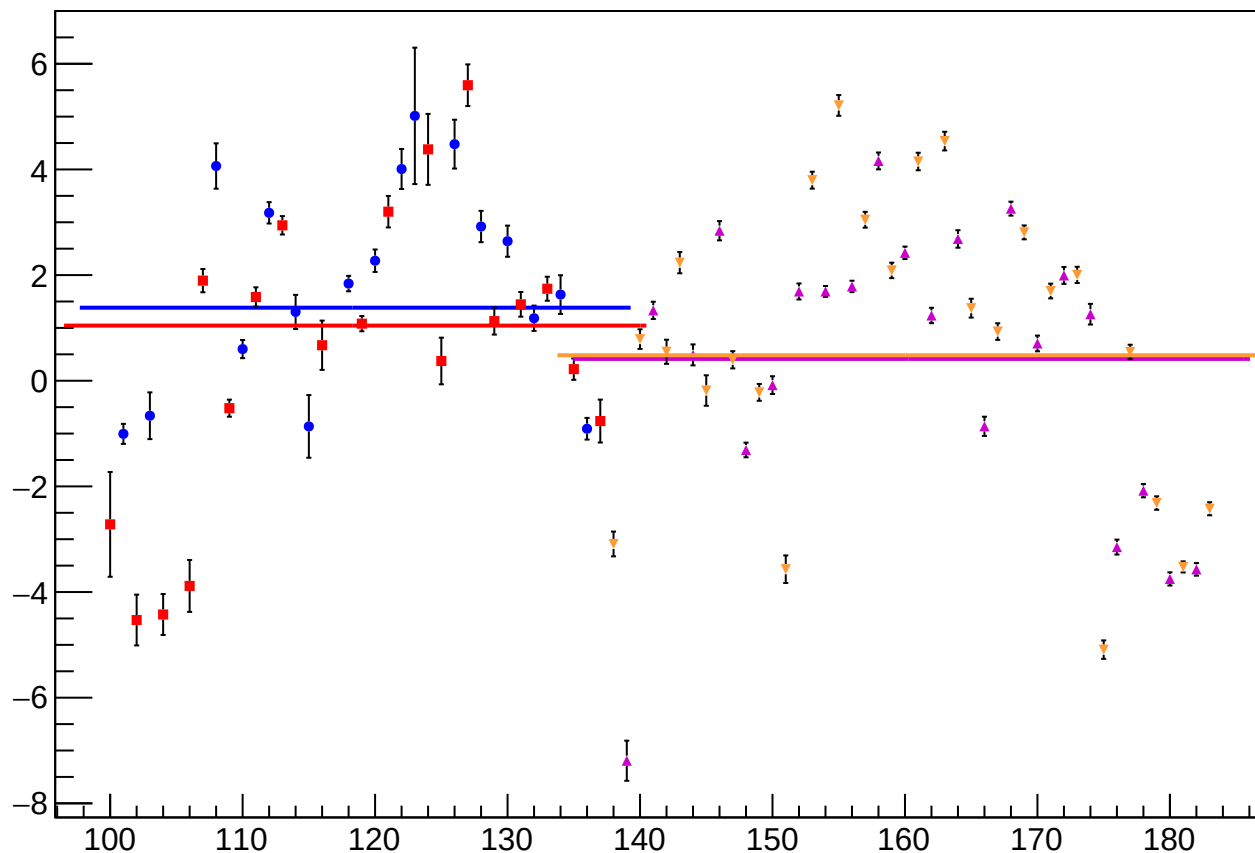
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.101+/-0.039 χ^2/NDF :43519.8/21

Out: -18.056+/-0.039 χ^2/NDF :88323.9/23

All: -17.572+/-0.027 χ^2/NDF : 132145.6/45

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.383 ± 0.062 χ^2/NDF : 632.3/16

Left Out: 0.482 ± 0.033 χ^2/NDF : 7034.3/23

Right Out: 1.044 ± 0.058 χ^2/NDF : 947.0/18

Left In: 0.413 ± 0.031 χ^2/NDF : 6091.8/21

Left: 0.446 ± 0.022 χ^2/NDF : 13128.4/45

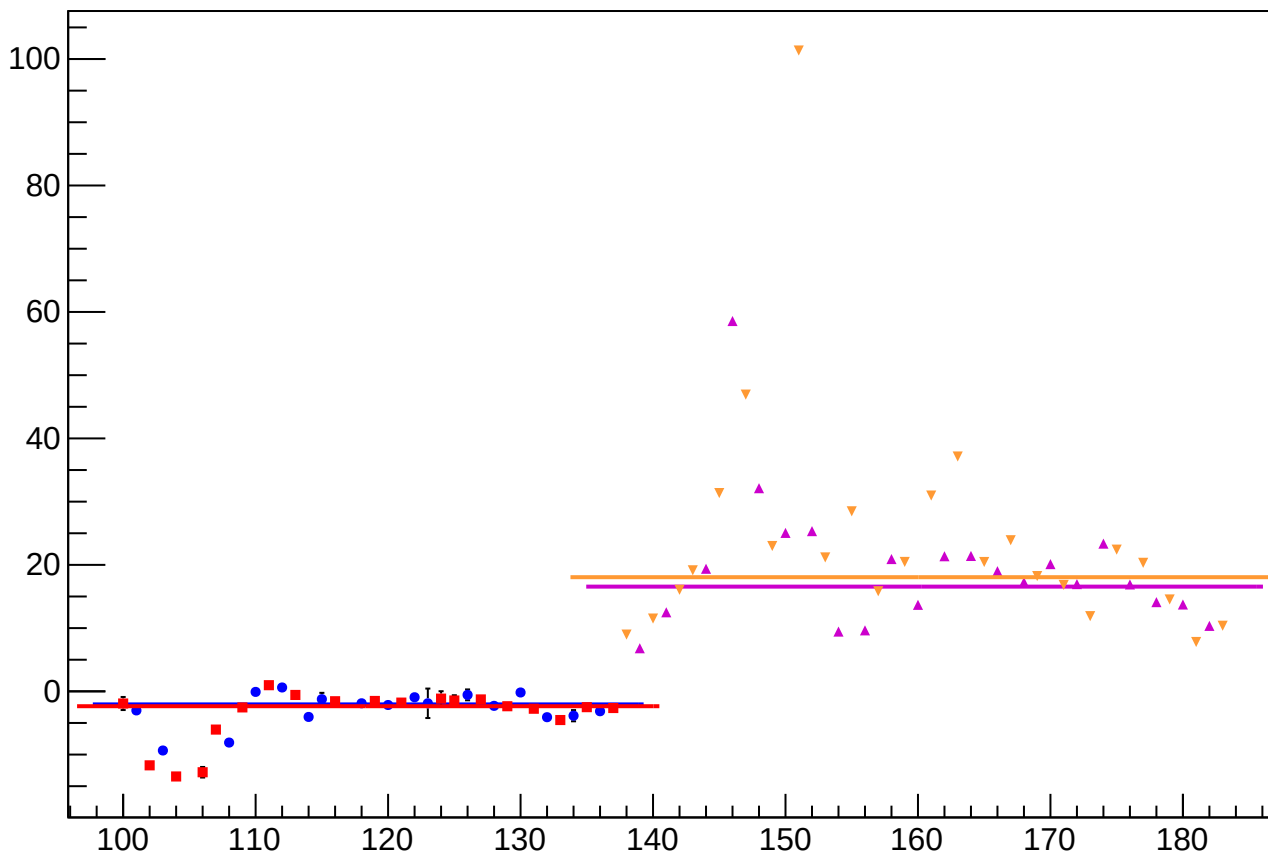
Right: 1.202 ± 0.042 χ^2/NDF : 1595.3/35

In: 0.607 ± 0.028 χ^2/NDF : 6921.2/38

Out: 0.617 ± 0.028 χ^2/NDF : 8053.0/42

All: 0.612 ± 0.020 χ^2/NDF : 14974.2/81

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.066 ± 0.111 χ^2/NDF : 450.1/16

Left Out: 18.053 ± 0.039 χ^2/NDF : 77699.4/23

Right Out: -2.353 ± 0.098 χ^2/NDF : 894.9/18

Left In: 16.561 ± 0.038 χ^2/NDF : 40470.7/21

Left: 17.284 ± 0.027 χ^2/NDF : 118913.0/45

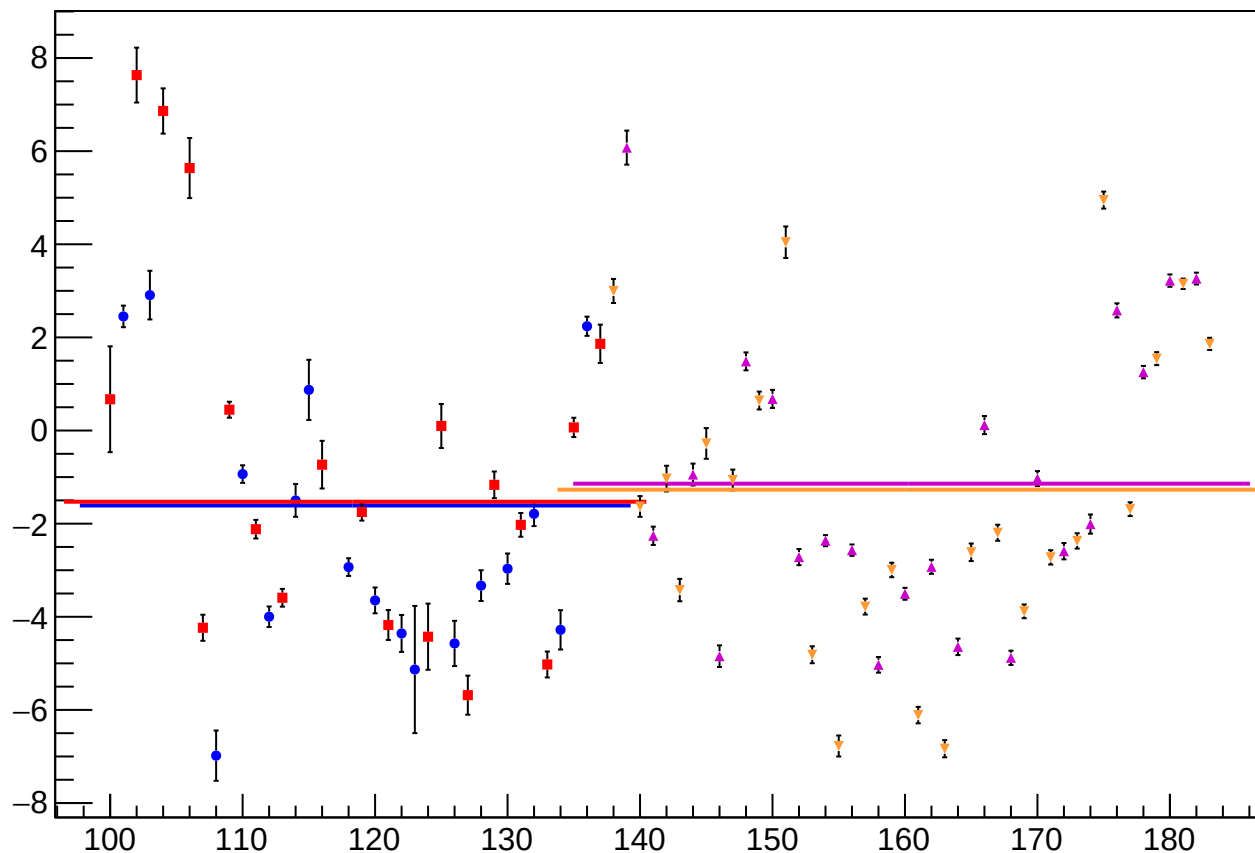
Right: -2.226 ± 0.074 χ^2/NDF : 1348.7/35

In: 14.596 ± 0.036 χ^2/NDF : 66121.0/38

Out: 15.248 ± 0.036 χ^2/NDF : 115679.1/42

All: 14.918 ± 0.026 χ^2/NDF : 181961.7/81

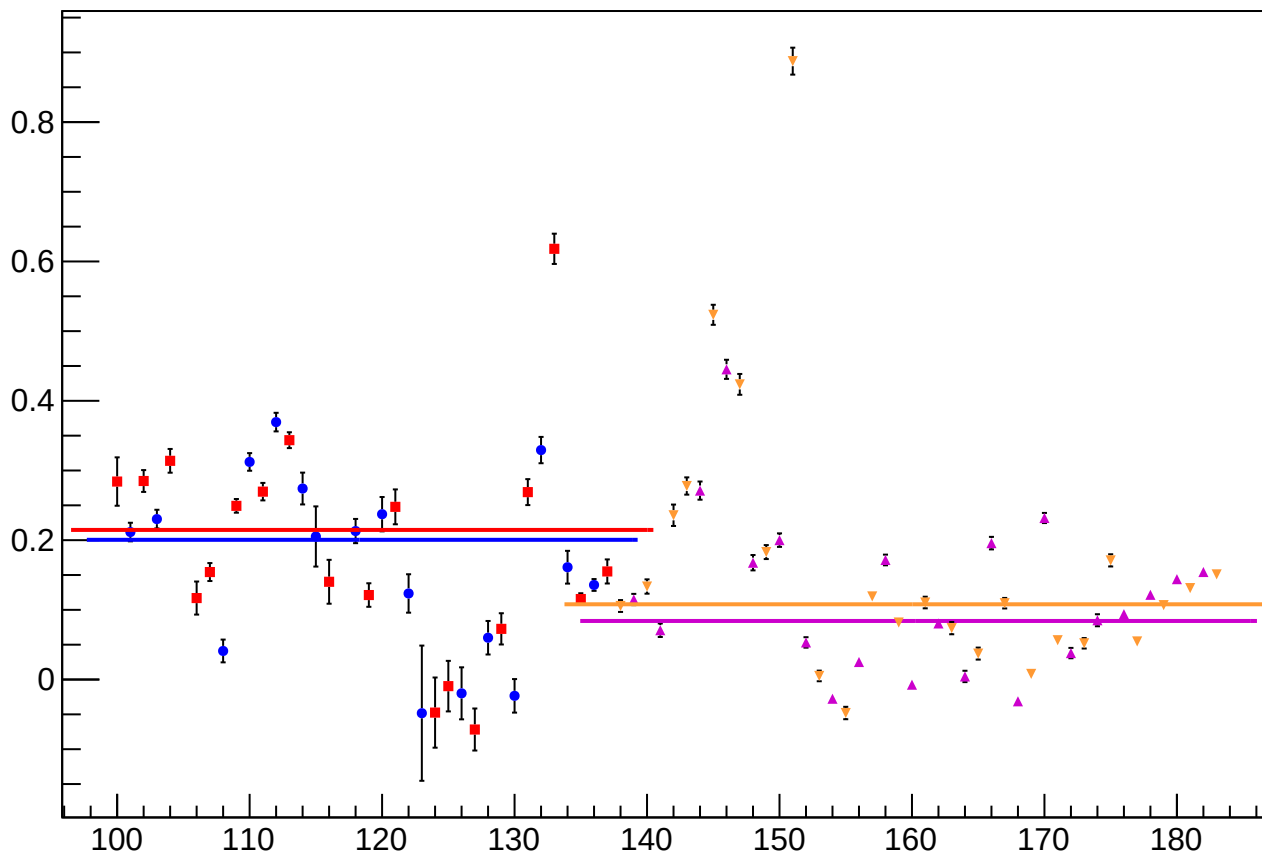
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.610 ± 0.071 $\chi^2/\text{NDF}: 1253.3/16$
 Left Out: -1.270 ± 0.036 $\chi^2/\text{NDF}: 7901.2/23$
 Right Out: -1.529 ± 0.065 $\chi^2/\text{NDF}: 1507.9/18$
 Left In: -1.141 ± 0.034 $\chi^2/\text{NDF}: 6605.1/21$

Left: -1.202 ± 0.025 $\chi^2/\text{NDF}: 14513.1/45$
 Right: -1.566 ± 0.048 $\chi^2/\text{NDF}: 2761.9/35$
 In: -1.230 ± 0.031 $\chi^2/\text{NDF}: 7893.7/38$
 Out: -1.330 ± 0.032 $\chi^2/\text{NDF}: 9421.2/42$
 All: -1.279 ± 0.022 $\chi^2/\text{NDF}: 17320.0/81$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2/NDF : 630.5/16

Left Out: 0.108 $\pm$ 0.002 χ^2/NDF :4348.9/23

Right Out: 0.215 $\pm$ 0.004 χ^2/NDF : 999.0/18

Left In: 0.084 $\pm$ 0.002 χ^2/NDF :3523.3/21

Left: 0.095 $\pm$ 0.001 χ^2/NDF : 7989.1/45

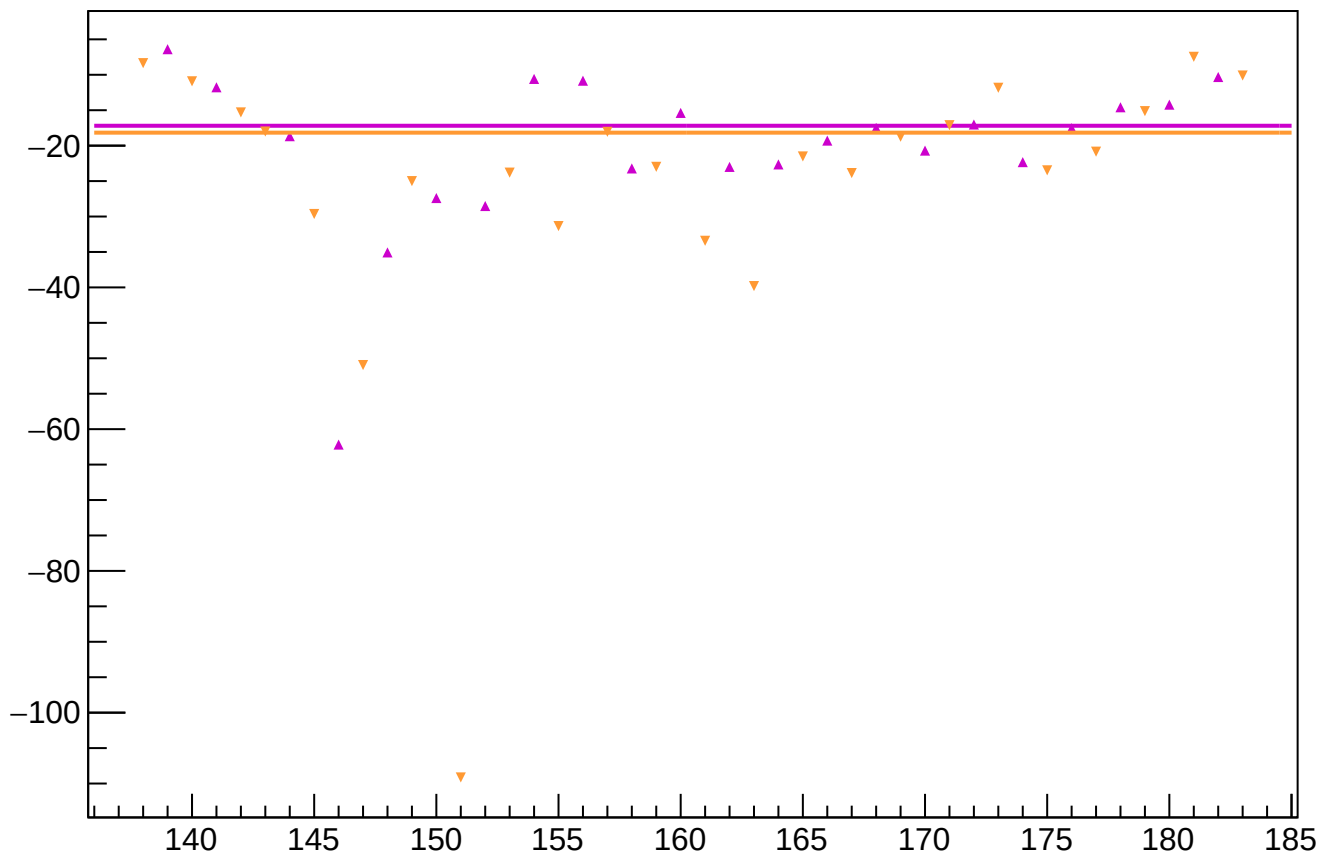
Right: 0.208 $\pm$ 0.003 χ^2/NDF : 1636.0/35

In: 0.098 $\pm$ 0.001 χ^2/NDF :4852.2/38

Out: 0.125 $\pm$ 0.001 χ^2/NDF :6052.9/42

All: 0.111 $\pm$ 0.001 χ^2/NDF : 11084.8/81

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.166+/-0.039 χ^2/NDF :88457.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -17.192+/-0.039 χ^2/NDF :43596.6/21

Left: -17.672+/-0.028 χ^2/NDF : 132365.3/45

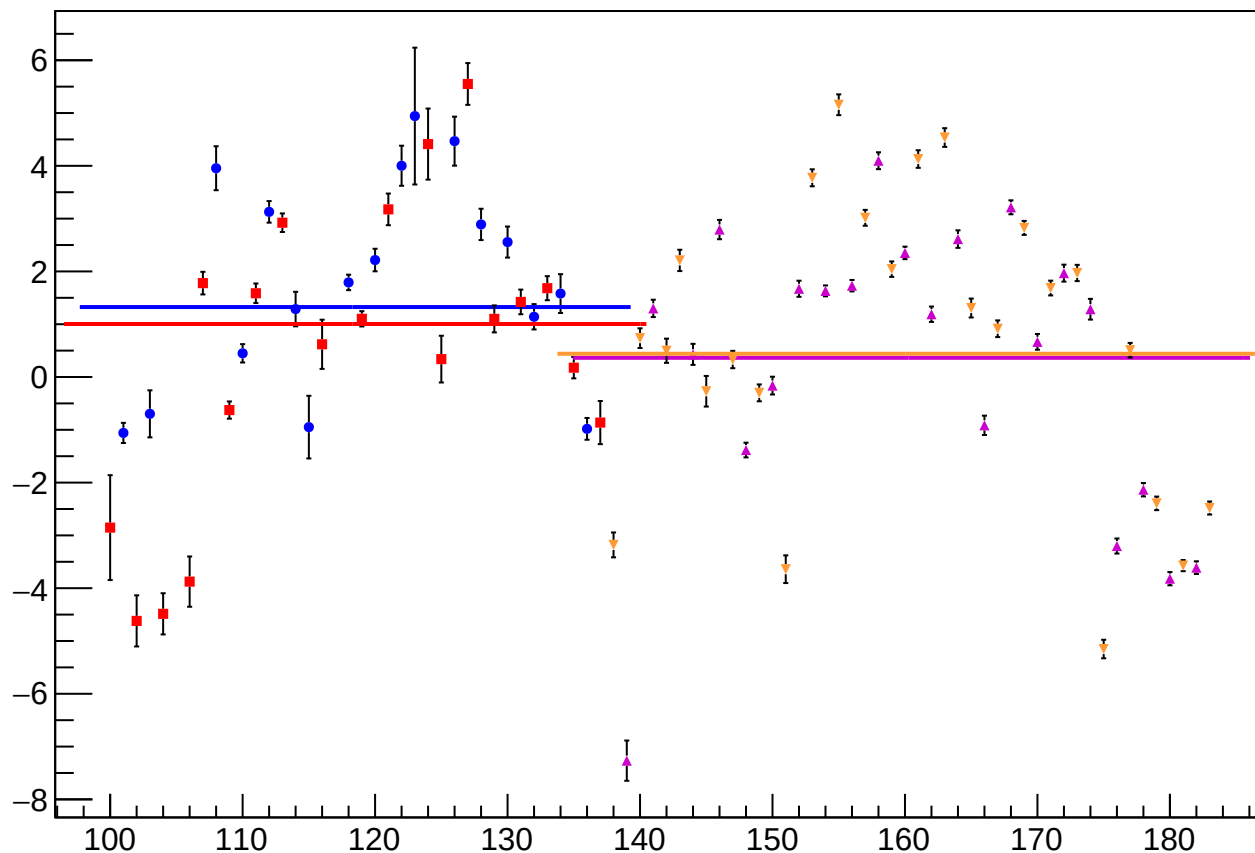
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.192+/-0.039 χ^2/NDF :43596.6/21

Out: -18.166+/-0.039 χ^2/NDF :88457.5/23

All: -17.672+/-0.028 χ^2/NDF : 132365.3/45

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.325 ± 0.062 χ^2/NDF : 637.1/16

Left Out: 0.440 ± 0.033 χ^2/NDF : 7057.8/23

Right Out: 1.004 ± 0.058 χ^2/NDF : 957.8/18

Left In: 0.364 ± 0.031 χ^2/NDF : 6058.3/21

Left: 0.400 ± 0.022 χ^2/NDF : 13119.0/45

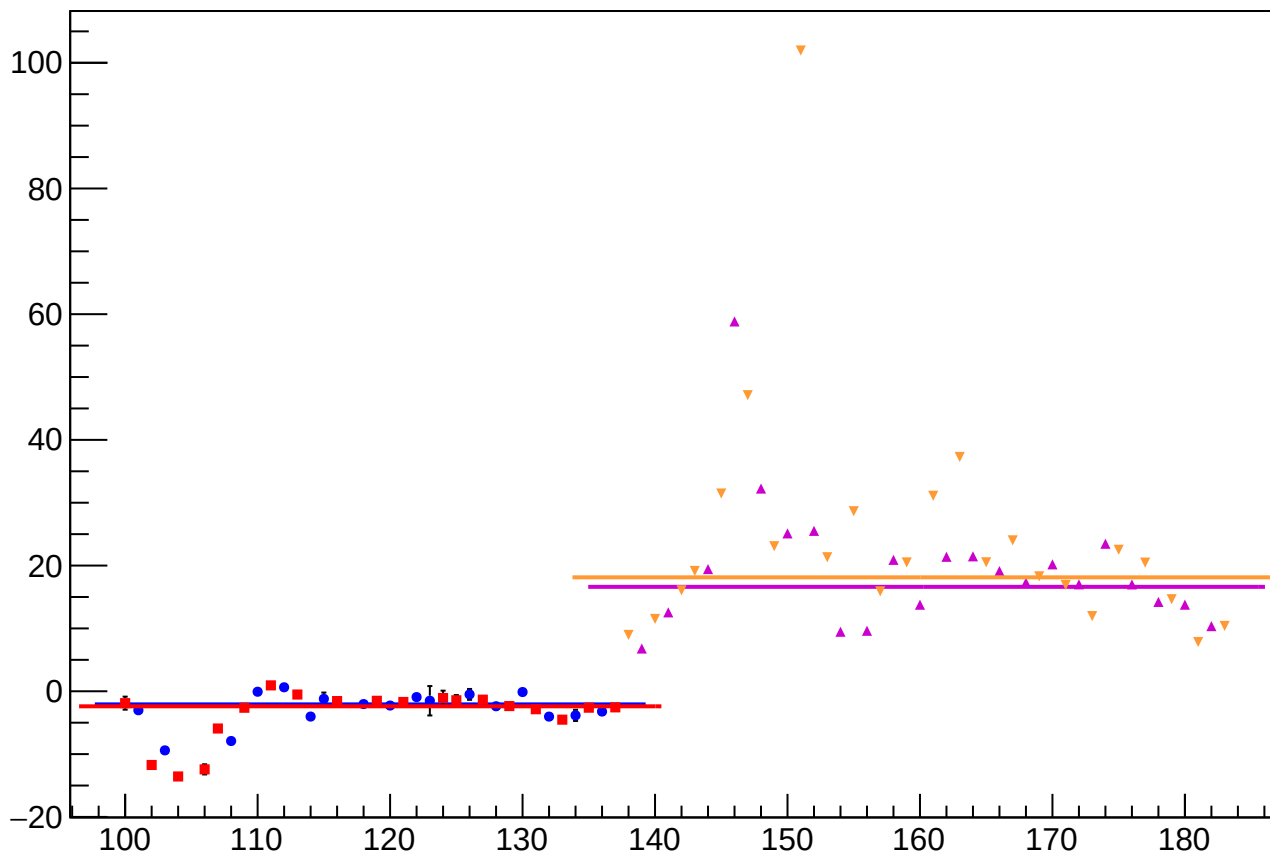
Right: 1.154 ± 0.042 χ^2/NDF : 1609.2/35

In: 0.555 ± 0.028 χ^2/NDF : 6887.5/38

Out: 0.576 ± 0.028 χ^2/NDF : 8087.5/42

All: 0.565 ± 0.020 χ^2/NDF : 14975.3/81

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.090 ± 0.112 χ^2/NDF : 449.1/16

Left Out: 18.129 ± 0.039 χ^2/NDF : 77817.9/23

Right Out: -2.395 ± 0.099 χ^2/NDF : 889.1/18

Left In: 16.615 ± 0.038 χ^2/NDF : 40553.5/21

Left: 17.349 ± 0.027 χ^2/NDF : 119130.0/45

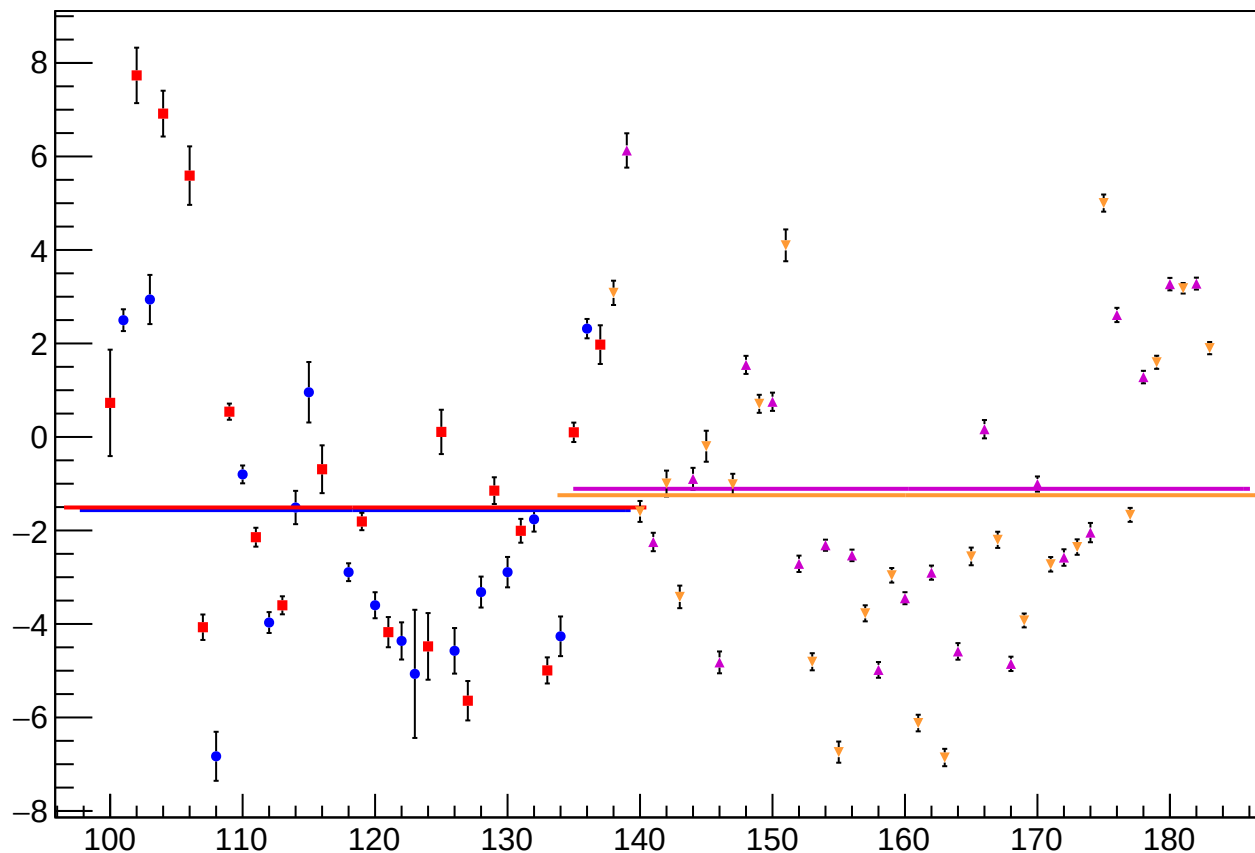
Right: -2.261 ± 0.074 χ^2/NDF : 1342.3/35

In: 14.648 ± 0.036 χ^2/NDF : 66153.9/38

Out: 15.311 ± 0.037 χ^2/NDF : 115863.0/42

All: 14.975 ± 0.026 χ^2/NDF : 182183.0/81

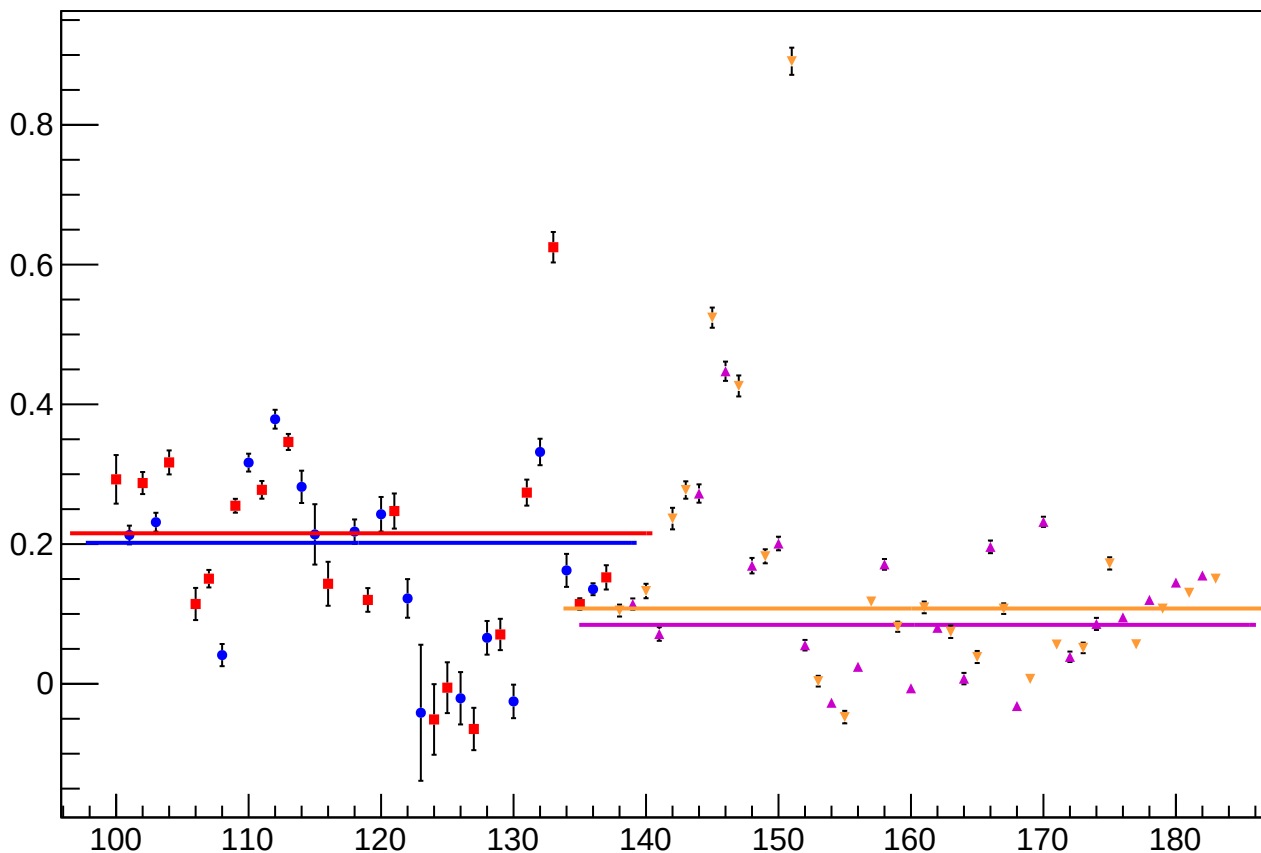
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.565 ± 0.071 χ^2/NDF : 1258.1/16
 Left Out: -1.246 ± 0.036 χ^2/NDF : 7928.6/23
 Right Out: -1.508 ± 0.066 χ^2/NDF : 1518.8/18
 Left In: -1.109 ± 0.034 χ^2/NDF : 6558.4/21

Left: -1.174 ± 0.025 χ^2/NDF : 14494.6/45
 Right: -1.534 ± 0.048 χ^2/NDF : 2777.2/35
 In: -1.196 ± 0.031 χ^2/NDF : 7849.7/38
 Out: -1.308 ± 0.032 χ^2/NDF : 9459.7/42
 All: -1.250 ± 0.022 χ^2/NDF : 17315.7/81

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 $\pm$ 0.004 χ^2 /NDF: 658.6/16

Left Out: 0.108 $\pm$ 0.002 χ^2 /NDF:4330.9/23

Right Out: 0.215 $\pm$ 0.004 χ^2 /NDF: 1031.4/18

Left In: 0.084 $\pm$ 0.002 χ^2 /NDF:3500.7/21

Left: 0.095 $\pm$ 0.001 χ^2 /NDF: 7942.5/45

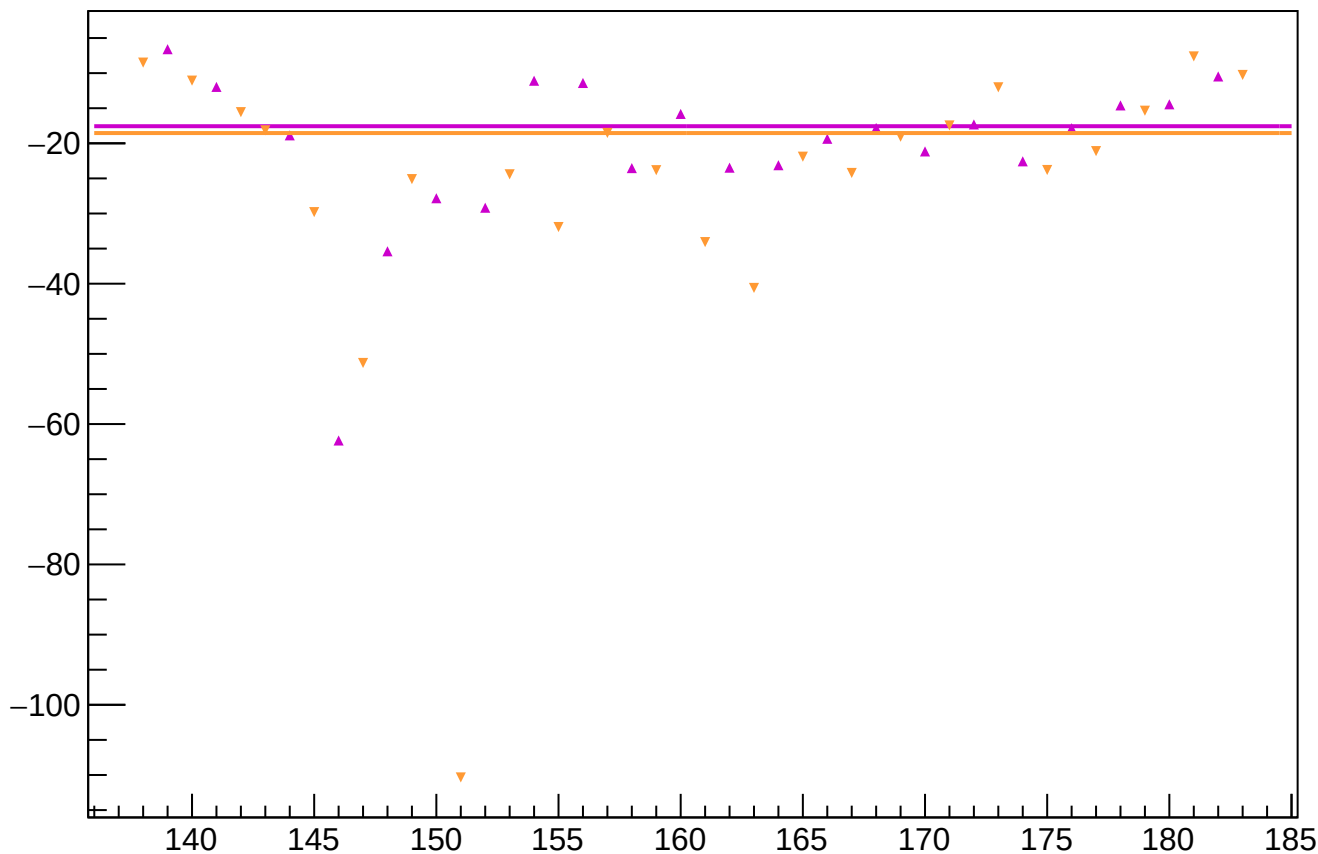
Right: 0.209 $\pm$ 0.003 χ^2 /NDF: 1696.1/35

In: 0.098 $\pm$ 0.001 χ^2 /NDF:4864.2/38

Out: 0.125 $\pm$ 0.001 χ^2 /NDF:6076.4/42

All: 0.111 $\pm$ 0.001 χ^2 /NDF: 11113.5/81

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.538+/-0.040 χ^2/NDF : 87797.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -17.563+/-0.040 χ^2/NDF : 42645.6/21

Left: -18.044+/-0.028 χ^2/NDF : 130741.6/45

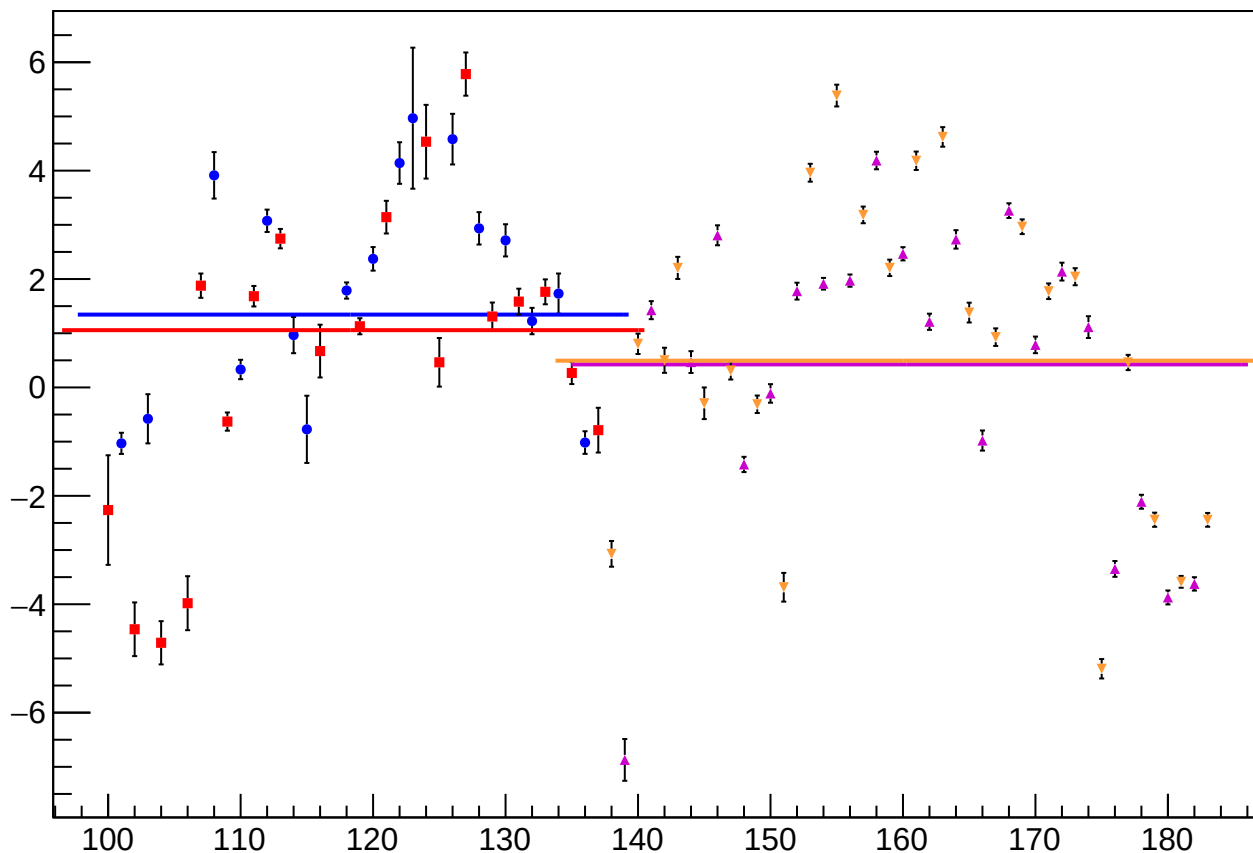
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.563+/-0.040 χ^2/NDF : 42645.6/21

Out: -18.538+/-0.040 χ^2/NDF : 87797.5/23

All: -18.044+/-0.028 χ^2/NDF : 130741.6/45

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.344 $\pm$ 0.063 χ^2 /NDF: 636.3/16

Left Out: 0.493 $\pm$ 0.033 χ^2 /NDF:7022.2/23

Right Out: 1.057 $\pm$ 0.059 χ^2 /NDF: 927.5/18

Left In: 0.425 $\pm$ 0.032 χ^2 /NDF:6094.1/21

Left: 0.458 $\pm$ 0.023 χ^2 /NDF: 13118.5/45

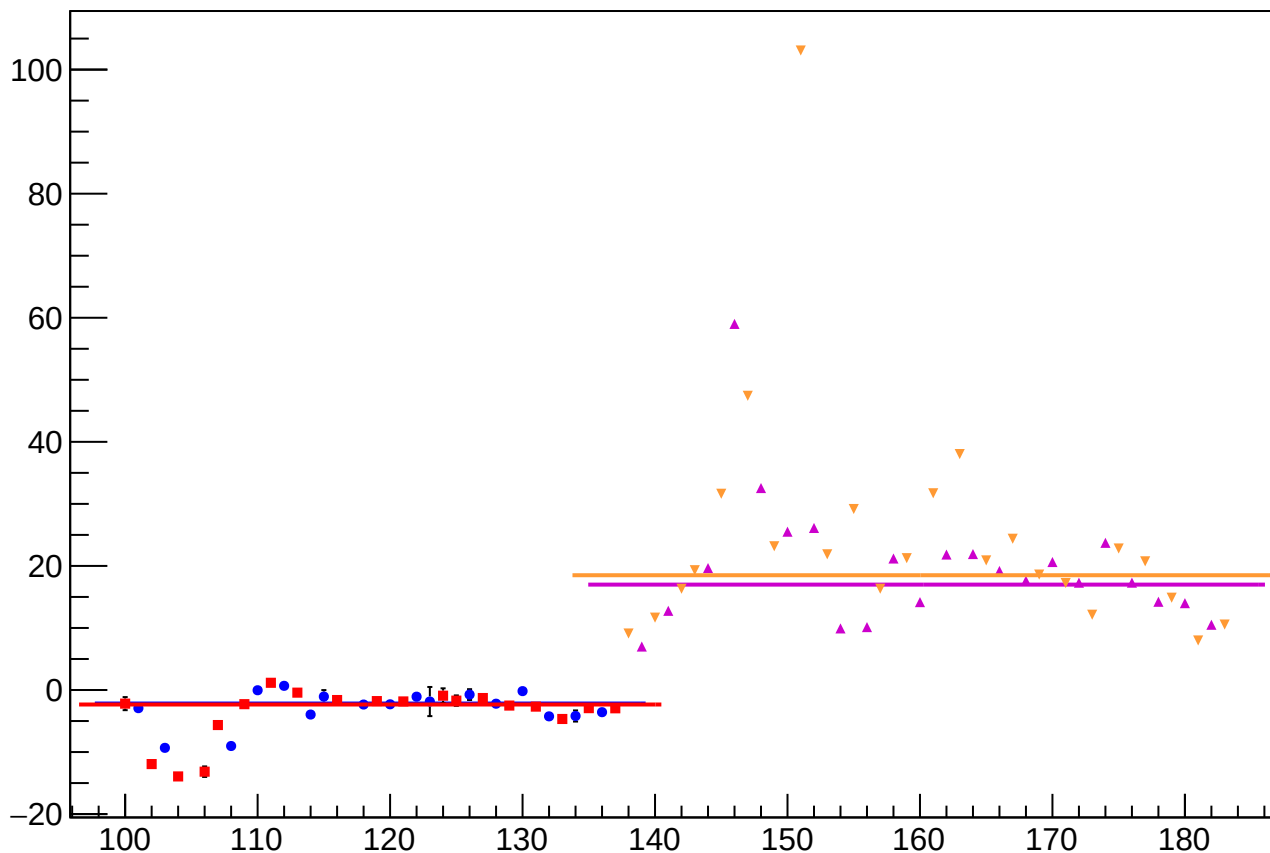
Right: 1.191 $\pm$ 0.043 χ^2 /NDF: 1574.8/35

In: 0.610 $\pm$ 0.028 χ^2 /NDF:6899.2/38

Out: 0.629 $\pm$ 0.029 χ^2 /NDF:8018.4/42

All: 0.619 $\pm$ 0.020 χ^2 /NDF: 14917.8/81

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.181 ± 0.114 χ^2/NDF : 472.4/16

Left Out: 18.500 ± 0.040 χ^2/NDF : 77197.3/23

Right Out: -2.337 ± 0.101 χ^2/NDF : 910.1/18

Left In: 16.988 ± 0.039 χ^2/NDF : 39470.2/21

Left: 17.722 ± 0.028 χ^2/NDF : 117390.8/45

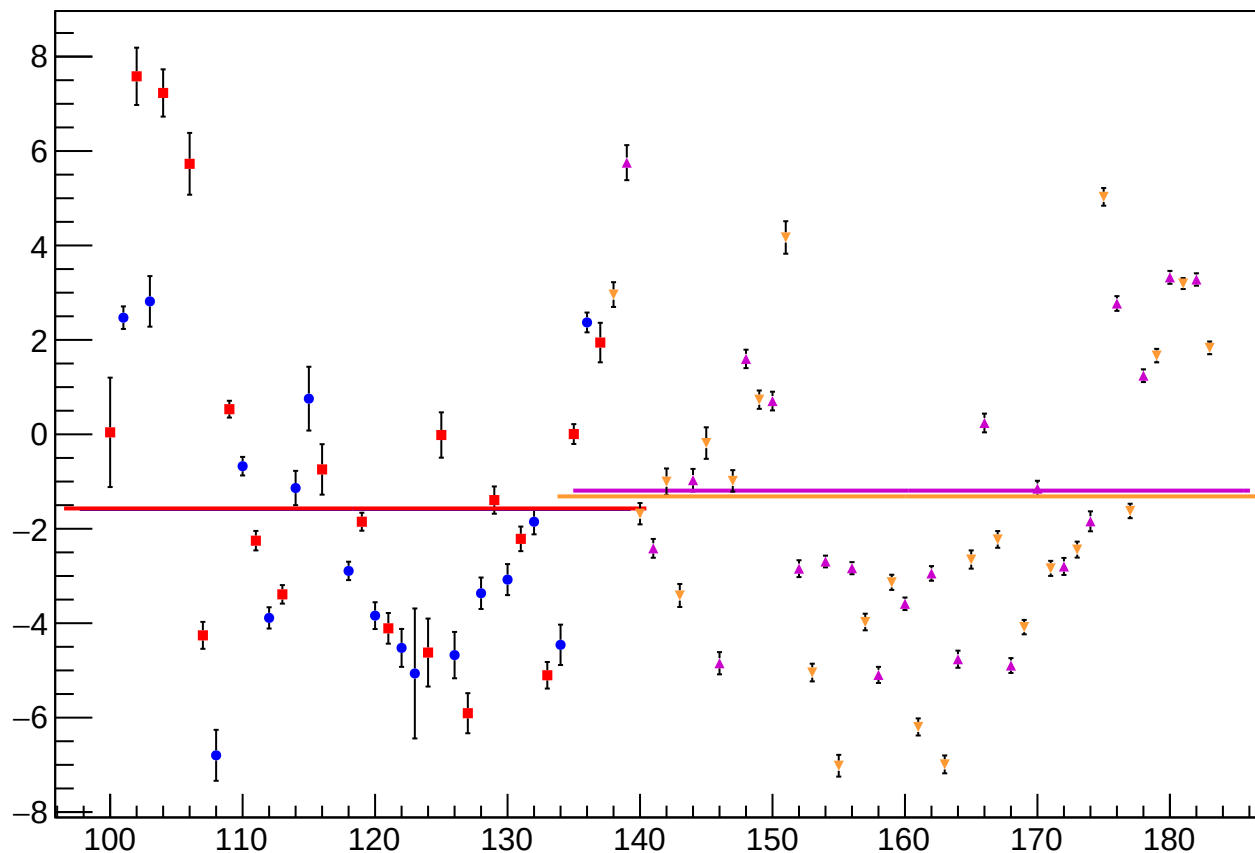
Right: -2.268 ± 0.075 χ^2/NDF : 1383.5/35

In: 14.950 ± 0.037 χ^2/NDF : 65397.7/38

Out: 15.632 ± 0.037 χ^2/NDF : 114815.3/42

All: 15.287 ± 0.026 χ^2/NDF : 180380.7/81

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.581 ± 0.073 $\chi^2/\text{NDF}: 1247.7/16$

Left Out: -1.314 ± 0.037 $\chi^2/\text{NDF}: 7886.3/23$

Right Out: -1.570 ± 0.067 $\chi^2/\text{NDF}: 1477.5/18$

Left In: -1.192 ± 0.035 $\chi^2/\text{NDF}: 6593.1/21$

Left: -1.250 ± 0.026 $\chi^2/\text{NDF}: 14485.1/45$

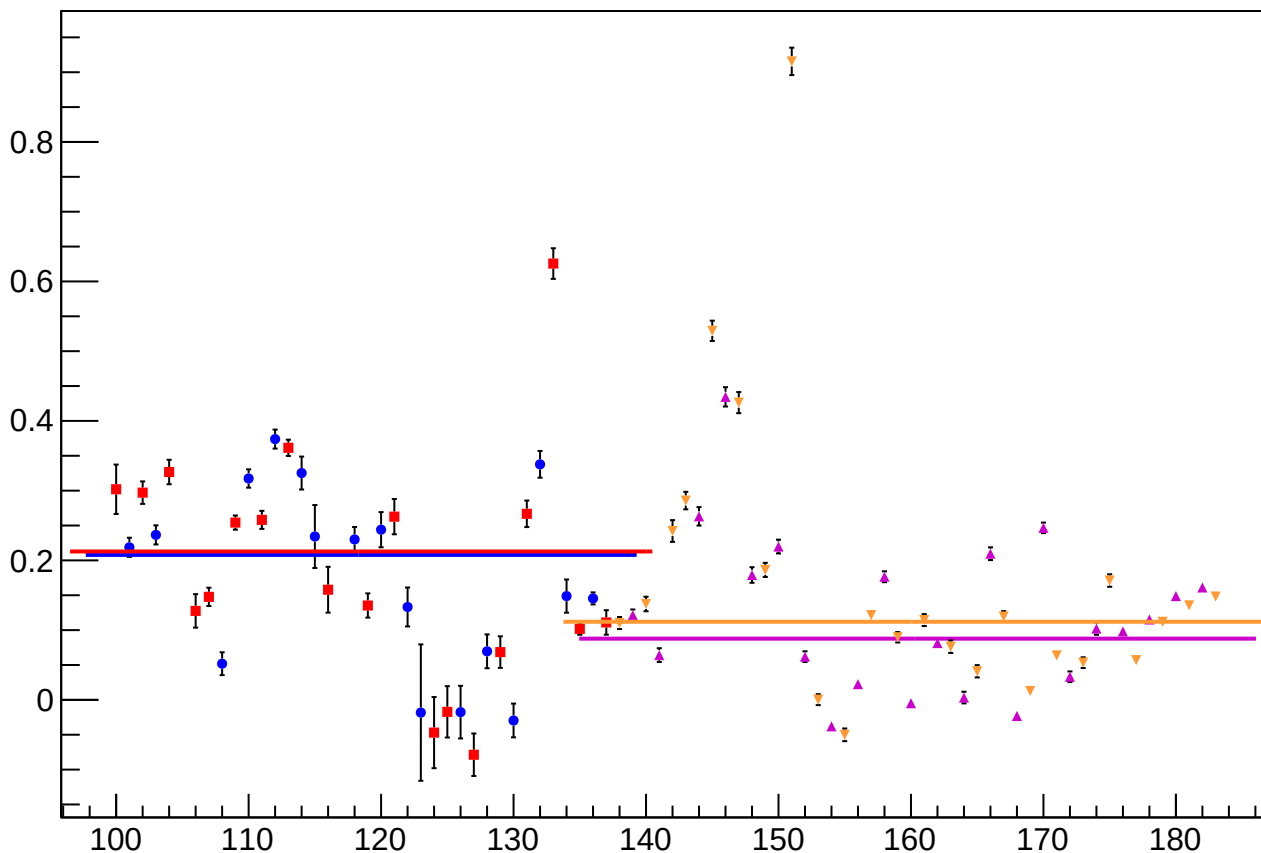
Right: -1.575 ± 0.049 $\chi^2/\text{NDF}: 2725.2/35$

In: -1.267 ± 0.032 $\chi^2/\text{NDF}: 7864.0/38$

Out: -1.374 ± 0.032 $\chi^2/\text{NDF}: 9375.0/42$

All: -1.319 ± 0.023 $\chi^2/\text{NDF}: 17244.6/81$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.208 $\pm$ 0.004 χ^2 /NDF: 624.0/16

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF:4338.8/23

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1097.2/18

Left In: 0.088 $\pm$ 0.002 χ^2 /NDF:3581.1/21

Left: 0.099 $\pm$ 0.001 χ^2 /NDF: 8033.1/45

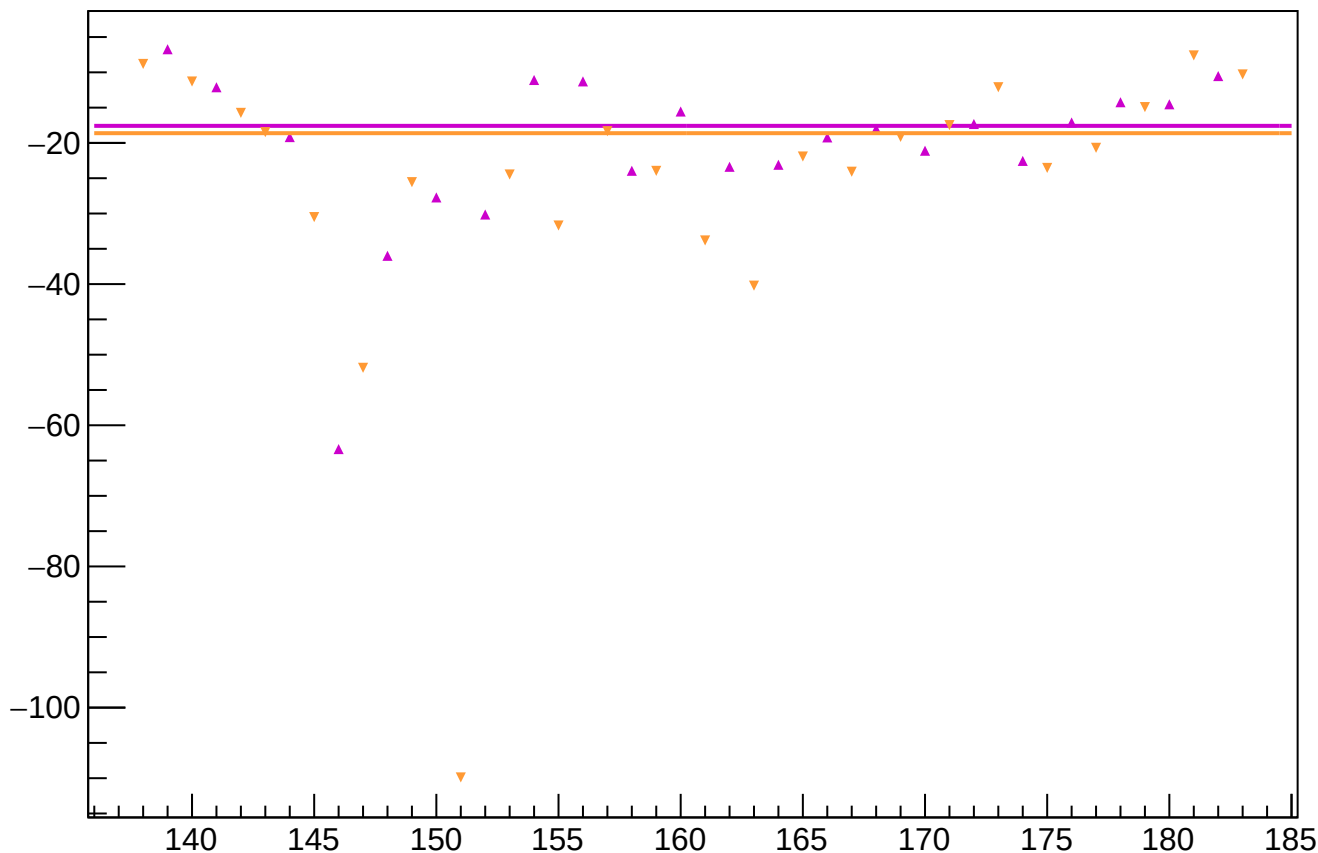
Right: 0.211 $\pm$ 0.003 χ^2 /NDF: 1721.9/35

In: 0.102 $\pm$ 0.001 χ^2 /NDF:4916.0/38

Out: 0.128 $\pm$ 0.002 χ^2 /NDF:6036.4/42

All: 0.115 $\pm$ 0.001 χ^2 /NDF: 11108.2/81

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.620+/-0.041 χ^2/NDF :86319.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -17.580+/-0.040 χ^2/NDF :42992.6/21

Left: -18.092+/-0.028 χ^2/NDF : 129644.7/45

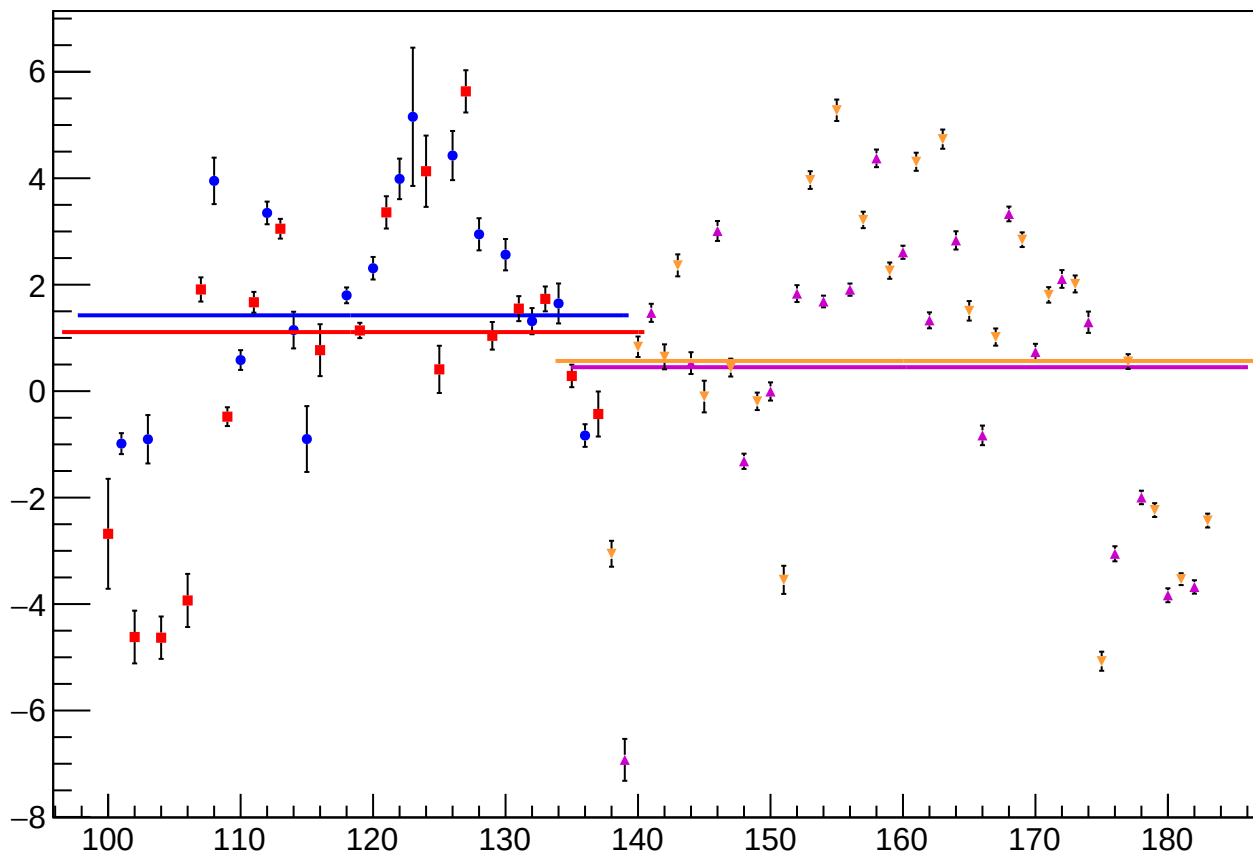
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.580+/-0.040 χ^2/NDF :42992.6/21

Out: -18.620+/-0.041 χ^2/NDF :86319.4/23

All: -18.092+/-0.028 χ^2/NDF : 129644.7/45

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.425 ± 0.064 χ^2/NDF : 599.8/16

Left Out: 0.568 ± 0.034 χ^2/NDF : 6774.2/23

Right Out: 1.110 ± 0.060 χ^2/NDF : 915.7/18

Left In: 0.450 ± 0.032 χ^2/NDF : 5927.2/21

Left: 0.506 ± 0.023 χ^2/NDF : 12707.8/45

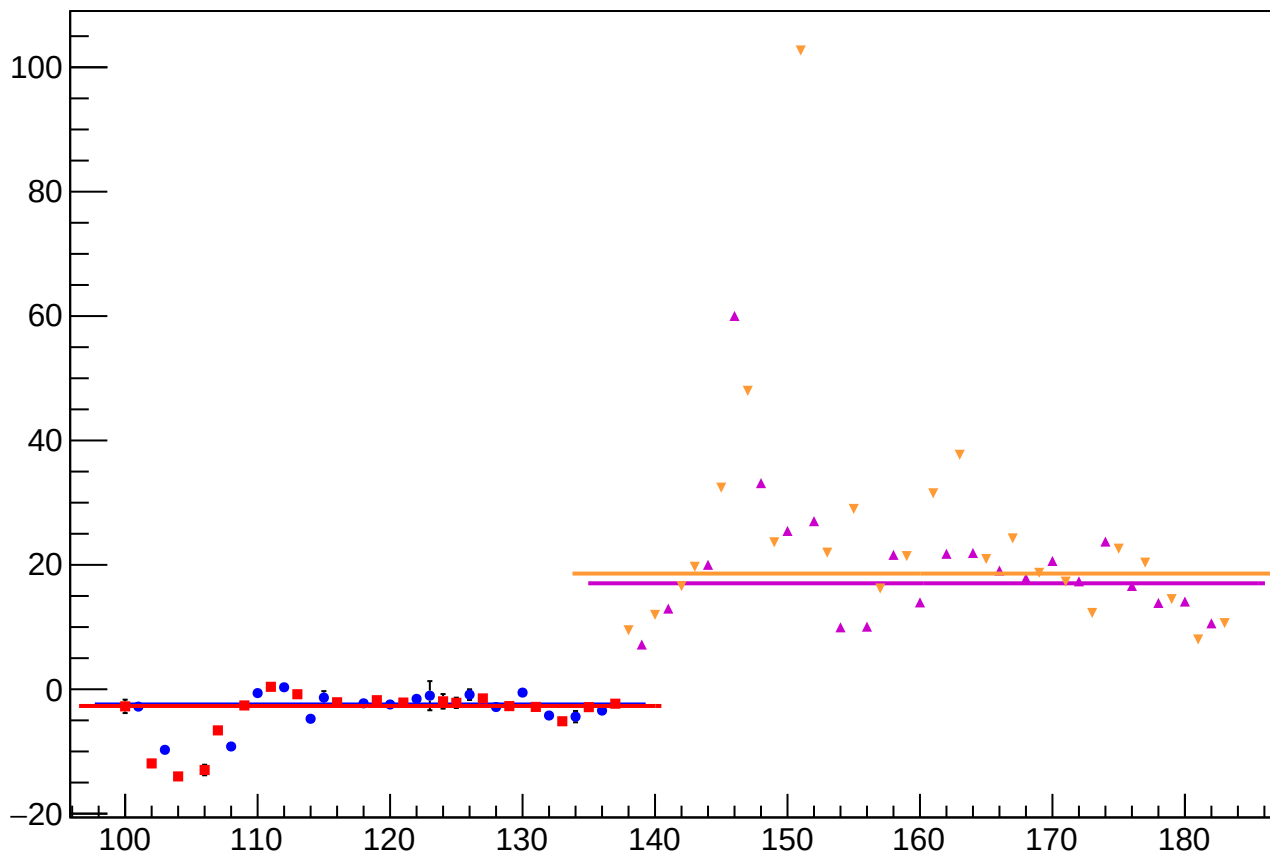
Right: 1.258 ± 0.044 χ^2/NDF : 1528.5/35

In: 0.647 ± 0.029 χ^2/NDF : 6713.7/38

Out: 0.698 ± 0.029 χ^2/NDF : 7752.2/42

All: 0.671 ± 0.020 χ^2/NDF : 14467.5/81

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.446 ± 0.115 χ^2/NDF : 426.7/16

Left Out: 18.601 ± 0.041 χ^2/NDF : 76009.0/23

Right Out: -2.686 ± 0.103 χ^2/NDF : 831.5/18

Left In: 17.037 ± 0.040 χ^2/NDF : 39858.7/21

Left: 17.796 ± 0.028 χ^2/NDF : 116627.3/45

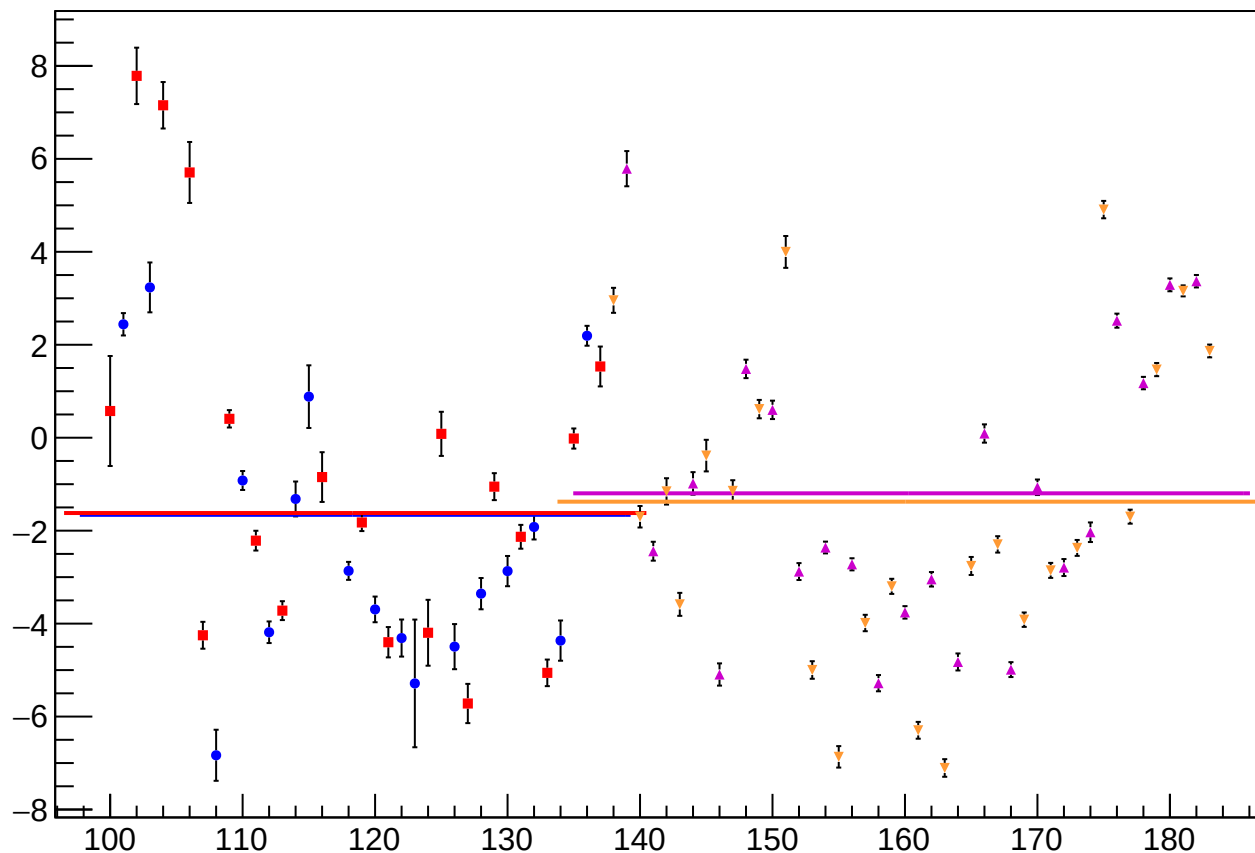
Right: -2.579 ± 0.077 χ^2/NDF : 1260.6/35

In: 14.990 ± 0.037 χ^2/NDF : 65837.0/38

Out: 15.734 ± 0.038 χ^2/NDF : 113648.7/42

All: 15.357 ± 0.027 χ^2/NDF : 179681.0/81

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.659 ± 0.073 χ^2/NDF : 1190.9/16

Left Out: -1.376 ± 0.037 χ^2/NDF : 7638.5/23

Right Out: -1.620 ± 0.068 χ^2/NDF : 1448.8/18

Left In: -1.196 ± 0.036 χ^2/NDF : 6474.7/21

Left: -1.282 ± 0.026 χ^2/NDF : 14125.3/45

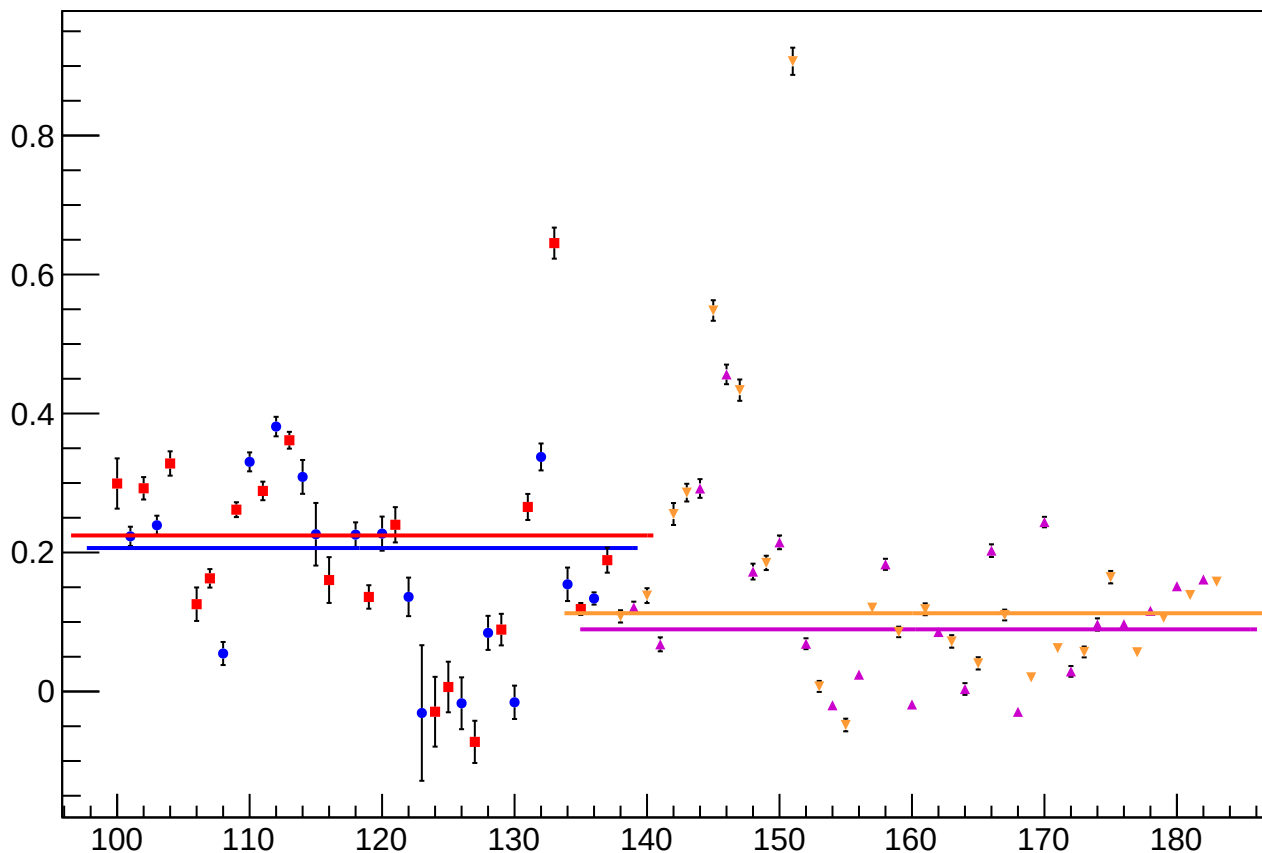
Right: -1.638 ± 0.050 χ^2/NDF : 2639.8/35

In: -1.285 ± 0.032 χ^2/NDF : 7697.9/38

Out: -1.433 ± 0.033 χ^2/NDF : 9097.2/42

All: -1.357 ± 0.023 χ^2/NDF : 16805.4/81

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.206 ± 0.004 χ^2/NDF : 625.2/16

Left Out: 0.113 ± 0.002 χ^2/NDF : 4328.2/23

Right Out: 0.225 ± 0.004 χ^2/NDF : 995.0/18

Left In: 0.089 ± 0.002 χ^2/NDF : 3533.2/21

Left: 0.100 ± 0.001 χ^2/NDF : 7963.2/45

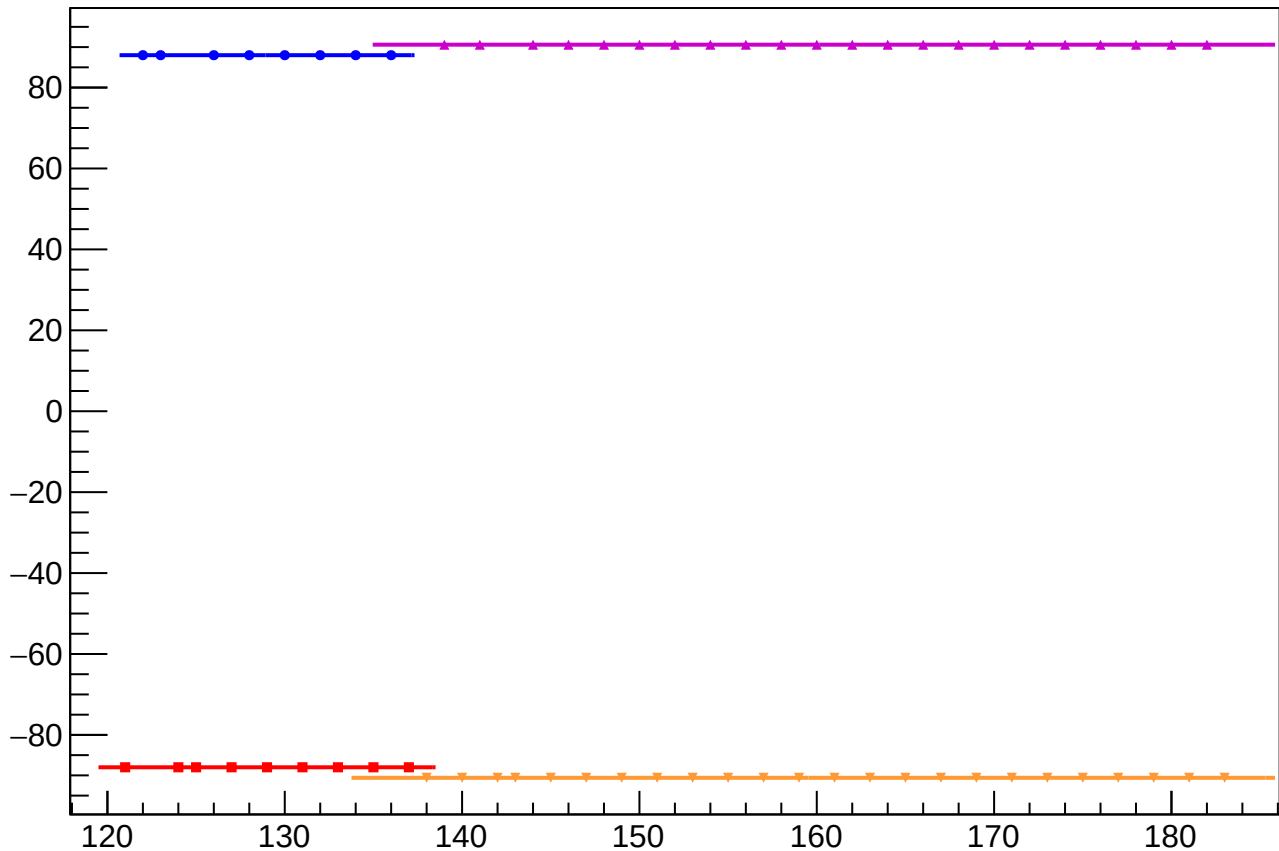
Right: 0.216 ± 0.003 χ^2/NDF : 1630.1/35

In: 0.103 ± 0.001 χ^2/NDF : 4815.9/38

Out: 0.131 ± 0.002 χ^2/NDF : 6037.1/42

All: 0.116 ± 0.001 χ^2/NDF : 11016.2/81

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 922500.3/7

Left Out: -90.599+/-0.000 χ^2/NDF : 5067087.1/23

Right Out: -88.001+/-0.000 χ^2/NDF : 211440.0/8

Left In: 90.599+/-0.000 χ^2/NDF : 5223799.0/21

Left: -2.497+/-0.000 χ^2/NDF : 30060326023882710

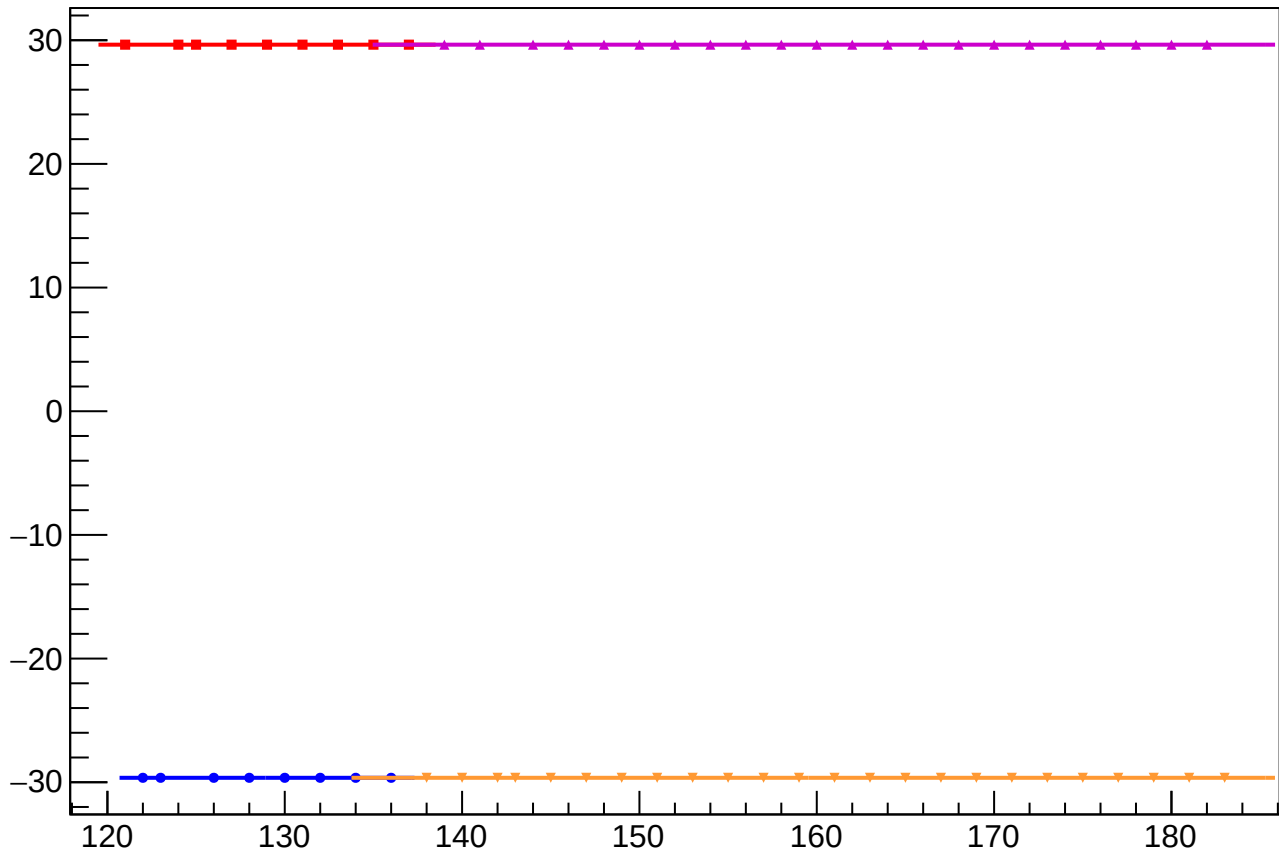
Right: 2.951+/-0.000 χ^2/NDF : 50744315280449915

In: 90.184+/-0.000 χ^2/NDF : 192328439792632462

Out: -90.225+/-0.000 χ^2/NDF : 1832161194875765

All: -1.670+/-0.000 χ^2/NDF : 3515127199942

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641 $\pm$ 0.000 χ^2 /NDF: 433709.4/7

Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 583883.3/23

Right Out: 29.641 $\pm$ 0.000 χ^2 /NDF: 61505.9/8

Left In: 29.641 $\pm$ 0.000 χ^2 /NDF: 379688.2/21

Left: -0.817 $\pm$ 0.000 χ^2 /NDF: 32175183708823607

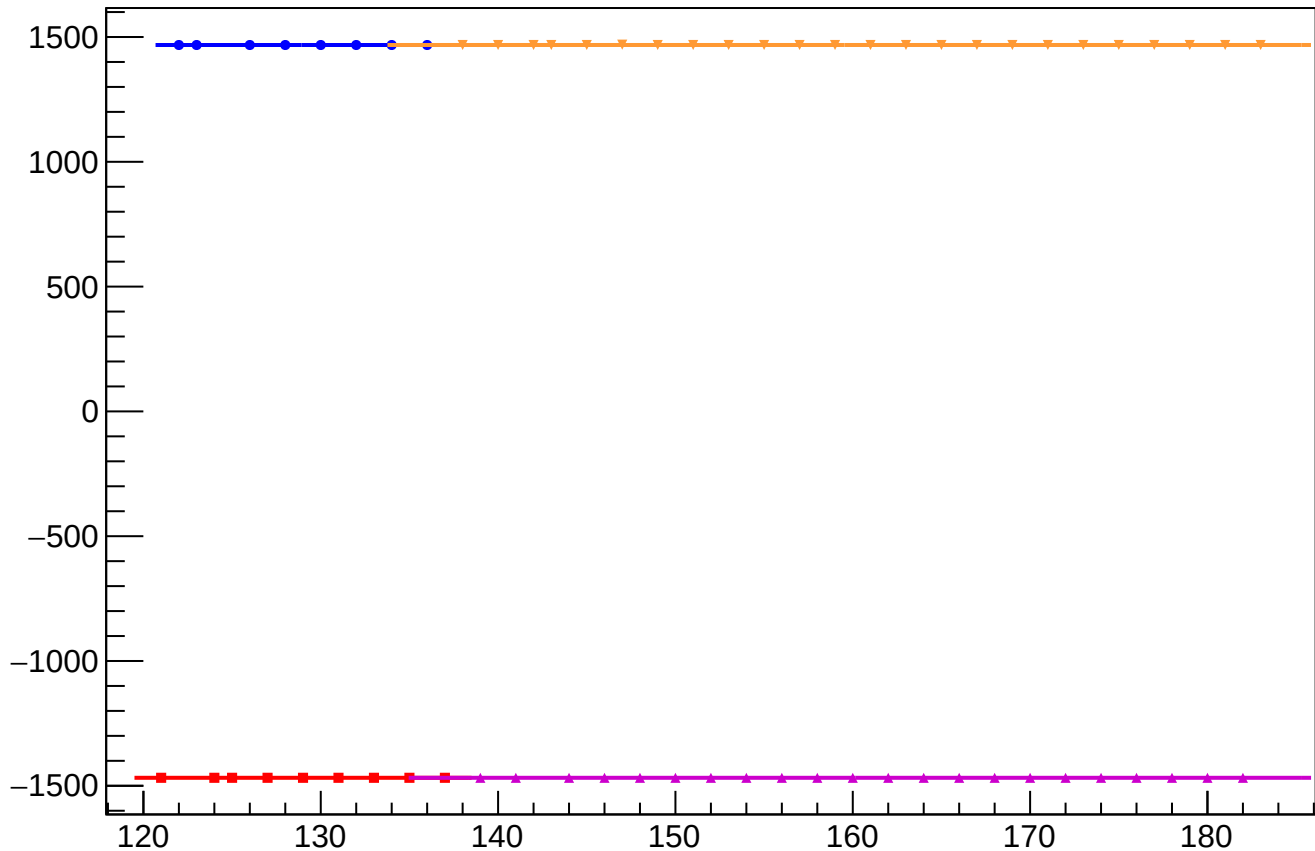
Right: -0.994 $\pm$ 0.000 χ^2 /NDF: 5756945466469310

In: 20.166 $\pm$ 0.000 χ^2 /NDF: 100093004084718091

Out: -21.099 $\pm$ 0.000 χ^2 /NDF: 9535070224678560

All: -0.844 $\pm$ 0.000 χ^2 /NDF: 3793230390638

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000

χ^2/NDF : 426876894.9/7

Left Out: 1468.048+/-0.000

χ^2/NDF : 127896617950256697964439416078336.0/23

Right Out: -1467.979+/-0.000

χ^2/NDF : 100967733.5/8

Left In: -1467.994+/-0.000

χ^2/NDF : 144928395026360817695869370368.0/21

Left: 40.483+/-0.000

χ^2/NDF : 78923911604475495

Right: 49.231+/-0.000

χ^2/NDF : 1412065927358356

In: -998.736+/-0.000

χ^2/NDF : 2455109229418787

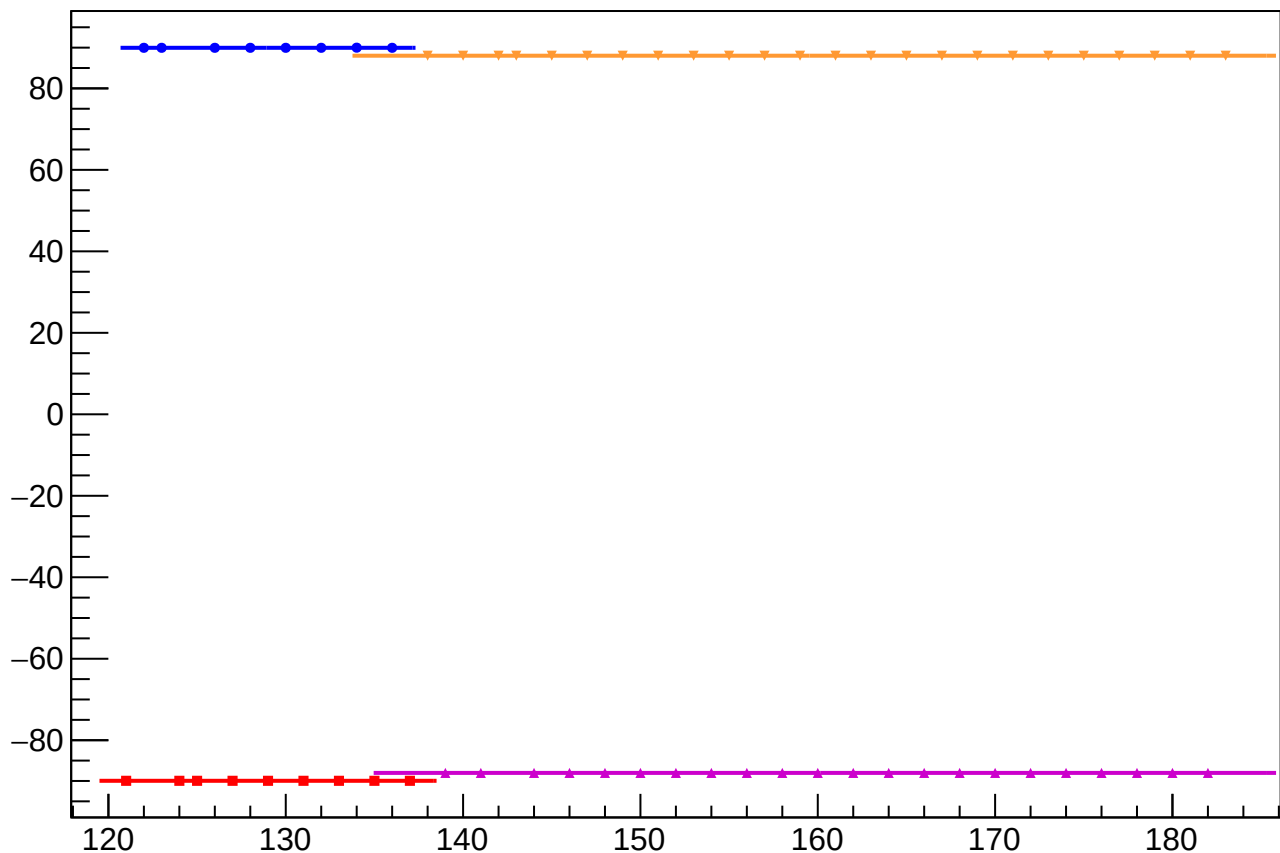
Out: 1044.994+/-0.000

χ^2/NDF : 233887624083755

All: 41.811+/-0.000

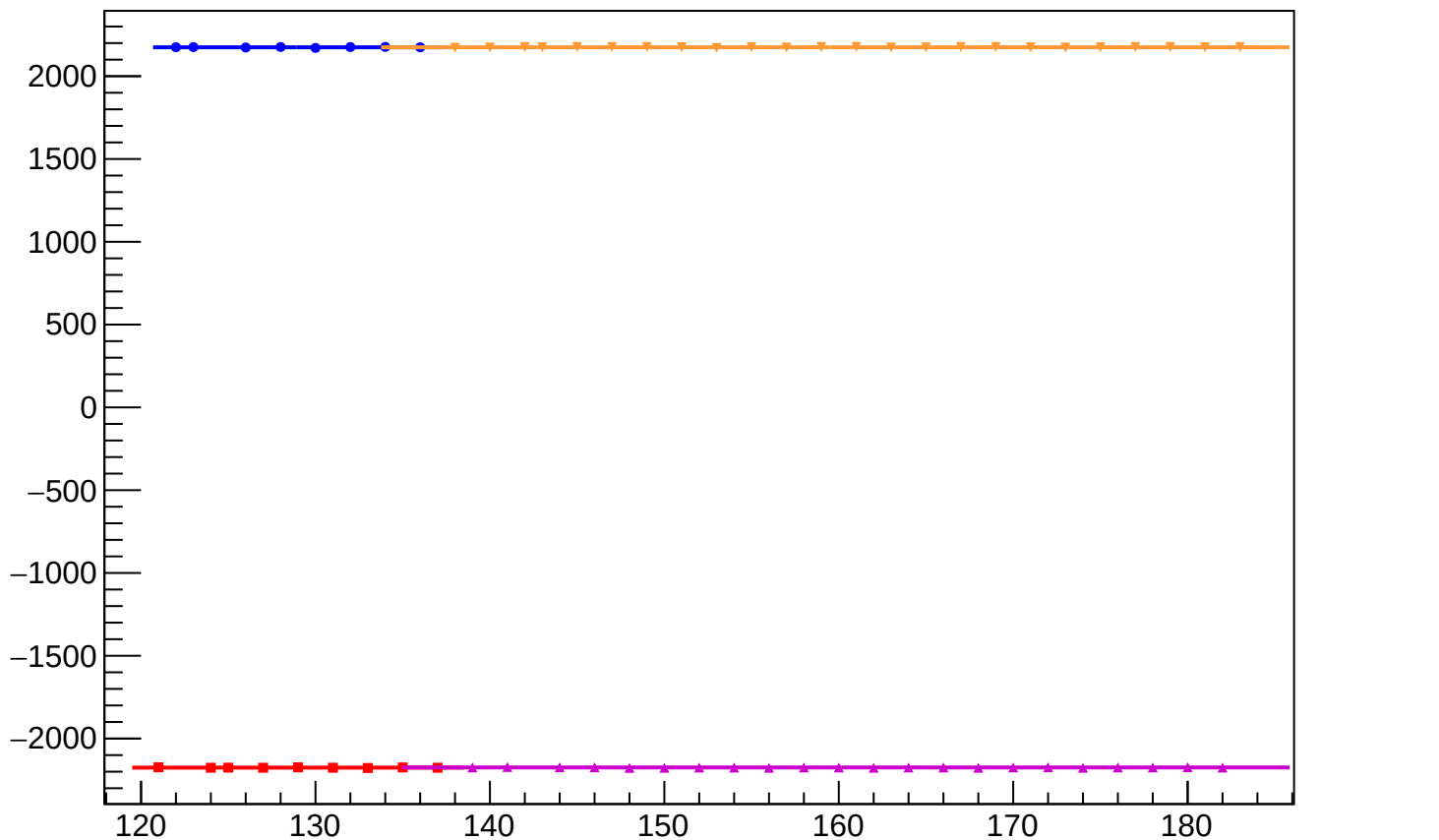
χ^2/NDF : 9304499667279

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000	χ^2/NDF : 21516176742595877338351665152.0/7	Left: 2.426+/-0.000	χ^2/NDF : 283735514621799330
Left Out: 88.021+/-0.000	χ^2/NDF : 4884727.7/23	Right: 3.018+/-0.000	χ^2/NDF : 53029447501590671
Right Out: -89.959+/-0.000	χ^2/NDF : 437824.1/8	In: -59.574+/-0.000	χ^2/NDF : 90223386996247339
Left In: -88.021+/-0.000	χ^2/NDF : 5609722.4/21	Out: 62.375+/-0.000	χ^2/NDF : 85946719802019826
		All: 2.516+/-0.000	χ^2/NDF : 33676691419490

HALLA_p_mean vs Slug, Sign Corrected



Left: 60.007 +/- 0.000 χ^2/NDF : 17318076435129246

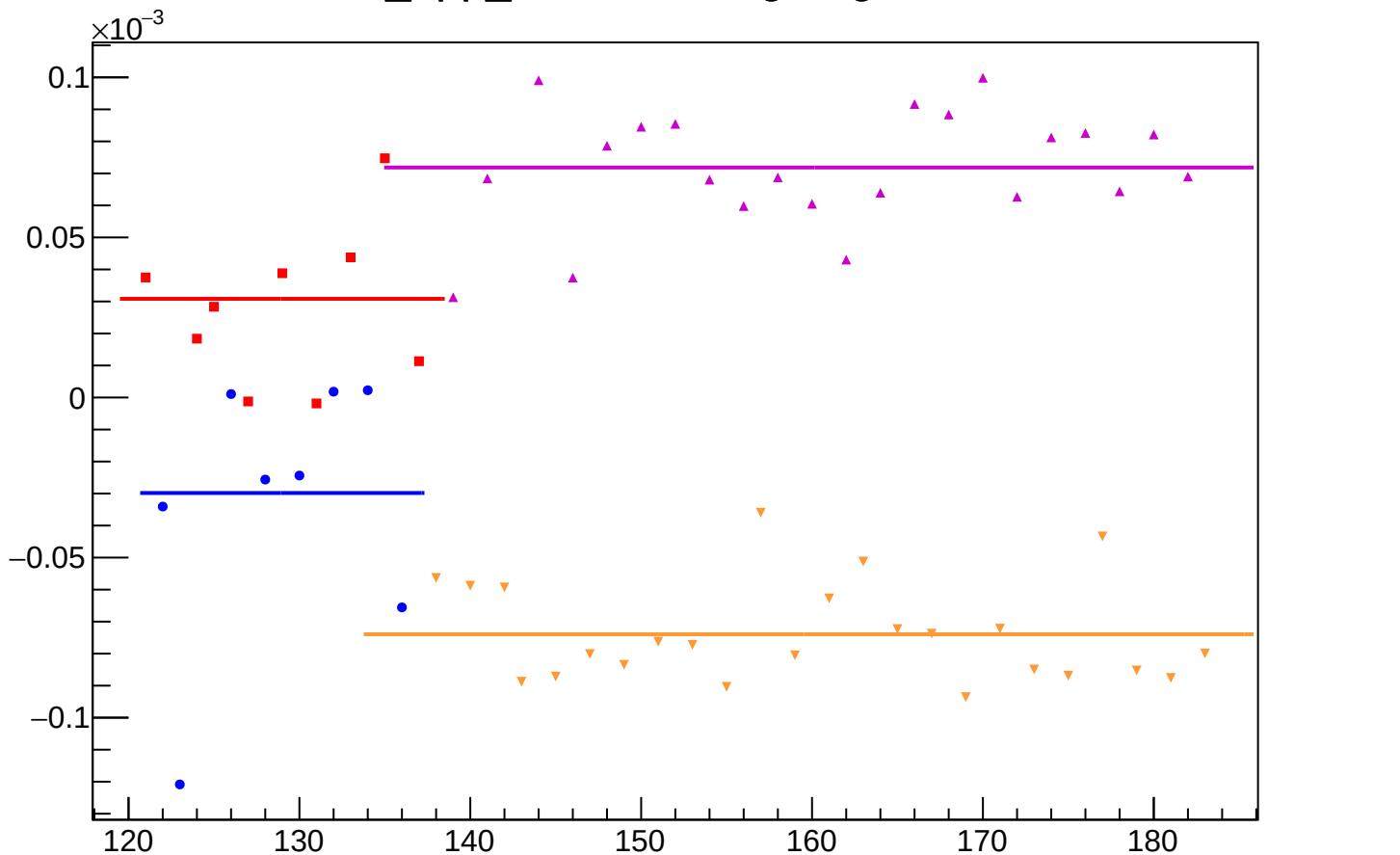
Right: 72.477 +/- 0.000 χ^2/NDF : 3099723427009127

In: -1479.407 +/- 0.000 χ^2/NDF : 538703718952052

Out: 1547.860 +/- 0.000 χ^2/NDF : 513437334670103

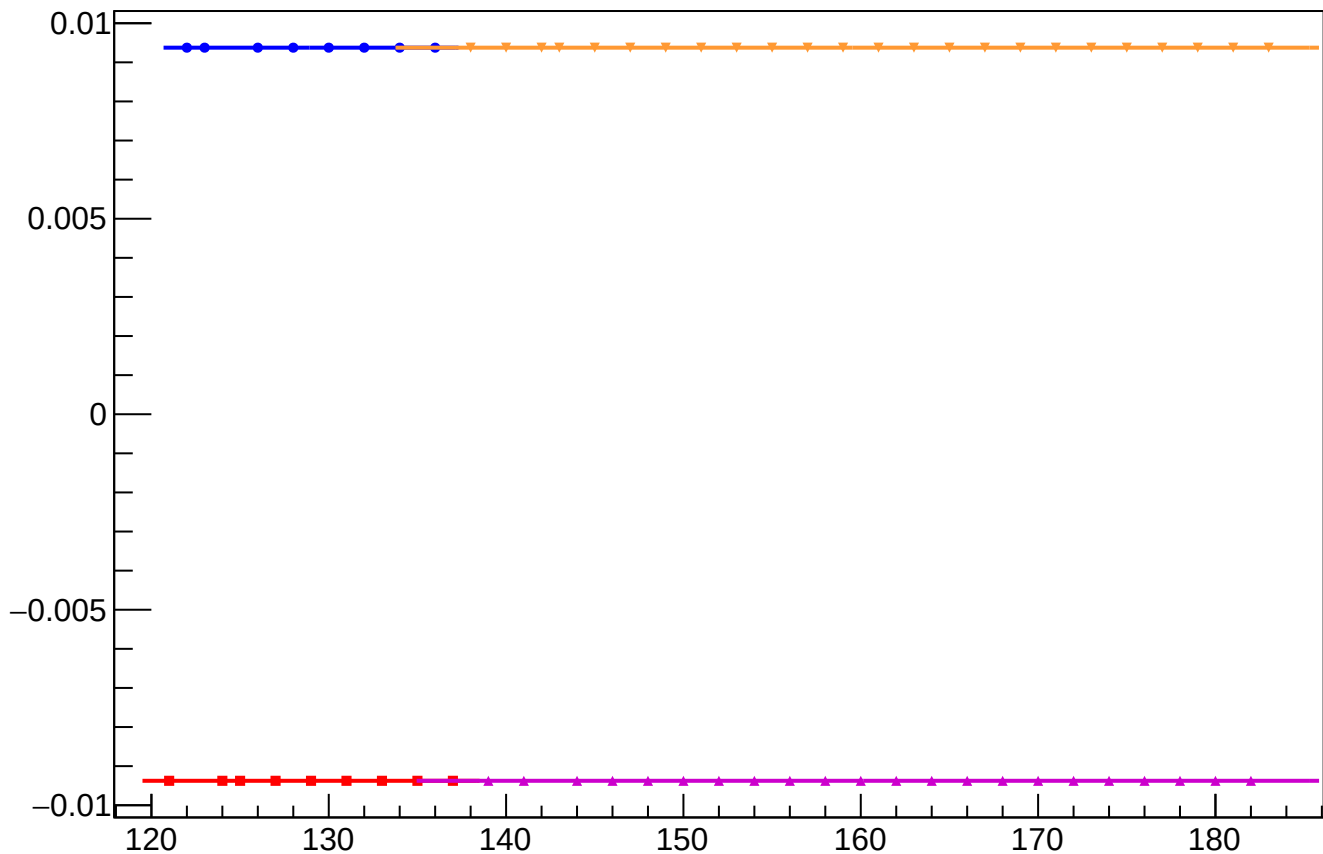
All: 61.900 +/- 0.000 χ^2/NDF : 2041788638322

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000	χ^2/NDF : 248631969637472403456000.0/7	Left: -0.000+/-0.000	χ^2/NDF : 20472730580978901
Left Out: -0.000+/-0.000	χ^2/NDF : 448976665415049652731904.0/23	Right: -0.000+/-0.000	χ^2/NDF : 1046788668707328
Right Out: 0.000+/-0.000	χ^2/NDF : 195498158247260480077824.0/8	In: 0.000+/-0.000	χ^2/NDF : 3751802415993420576
Left In: 0.000+/-0.000	χ^2/NDF : 559100581311803738292224.0/21	Out: -0.000+/-0.000	χ^2/NDF : 36239902131921435
		All: -0.000+/-0.000	χ^2/NDF : 2152314701924

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/23

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.1/21

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 321874509720326428

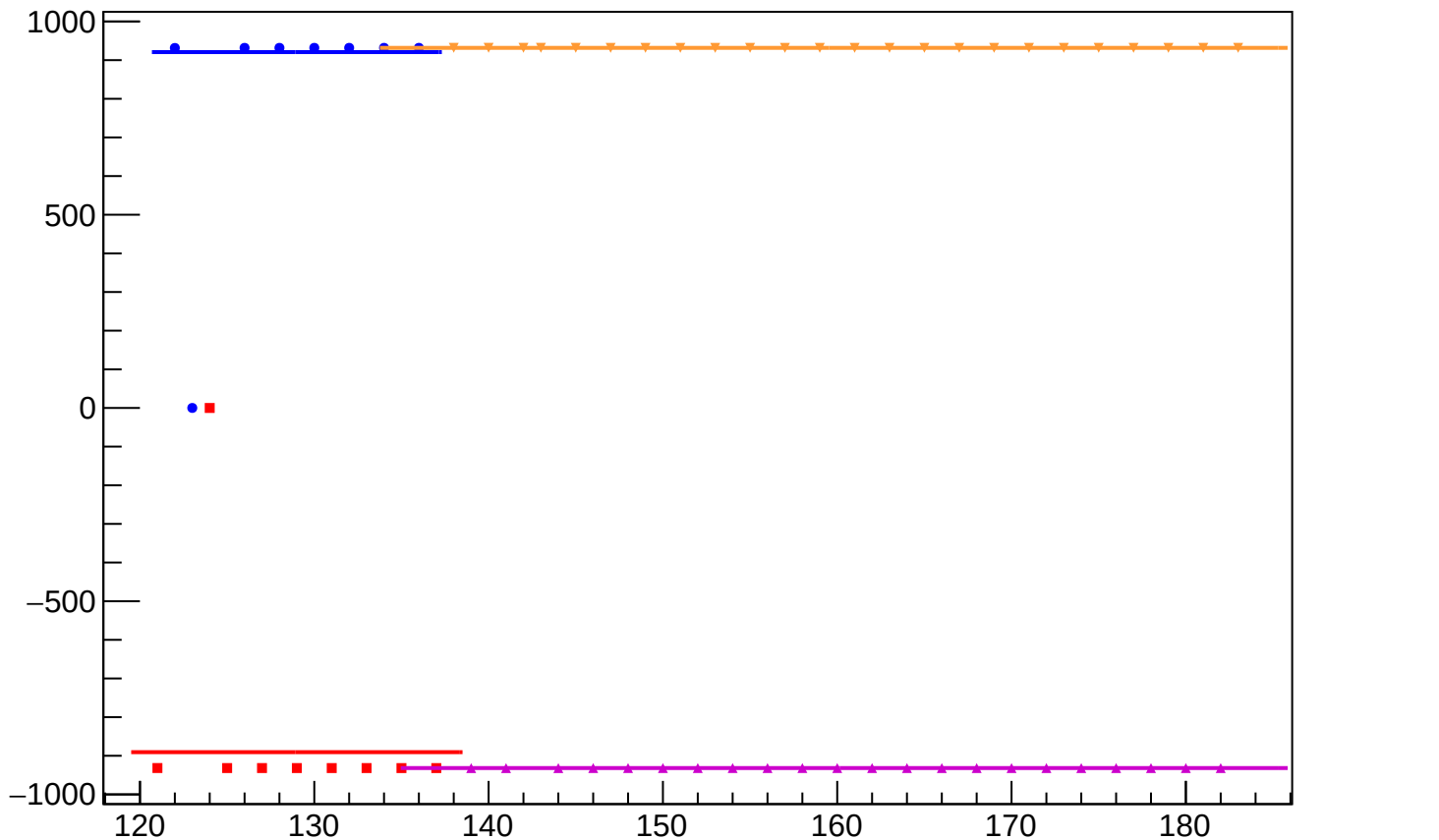
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 57591403868140194

In: -0.006 $\pm$ 0.000 χ^2 /NDF:100131166018387313

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:953870561079543384

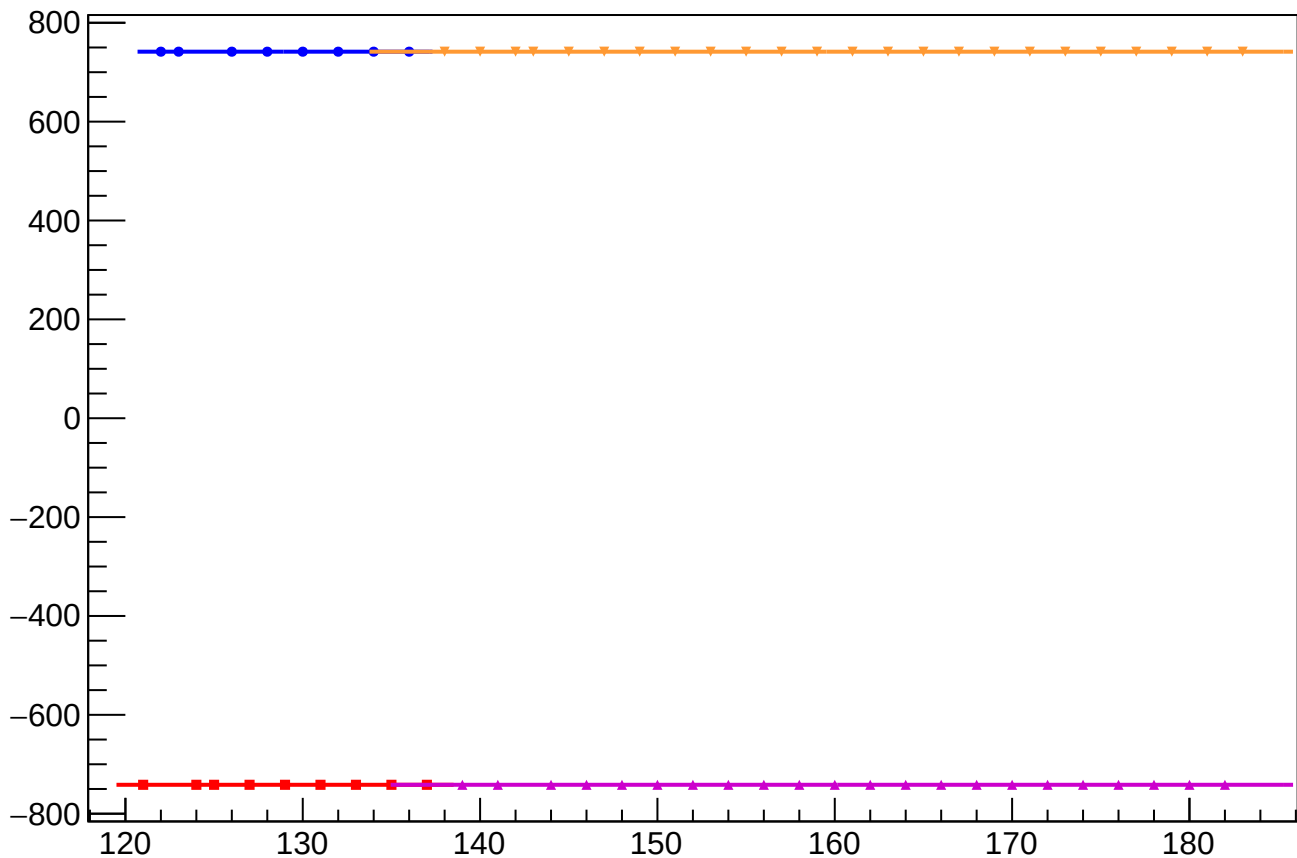
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37946766156560

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



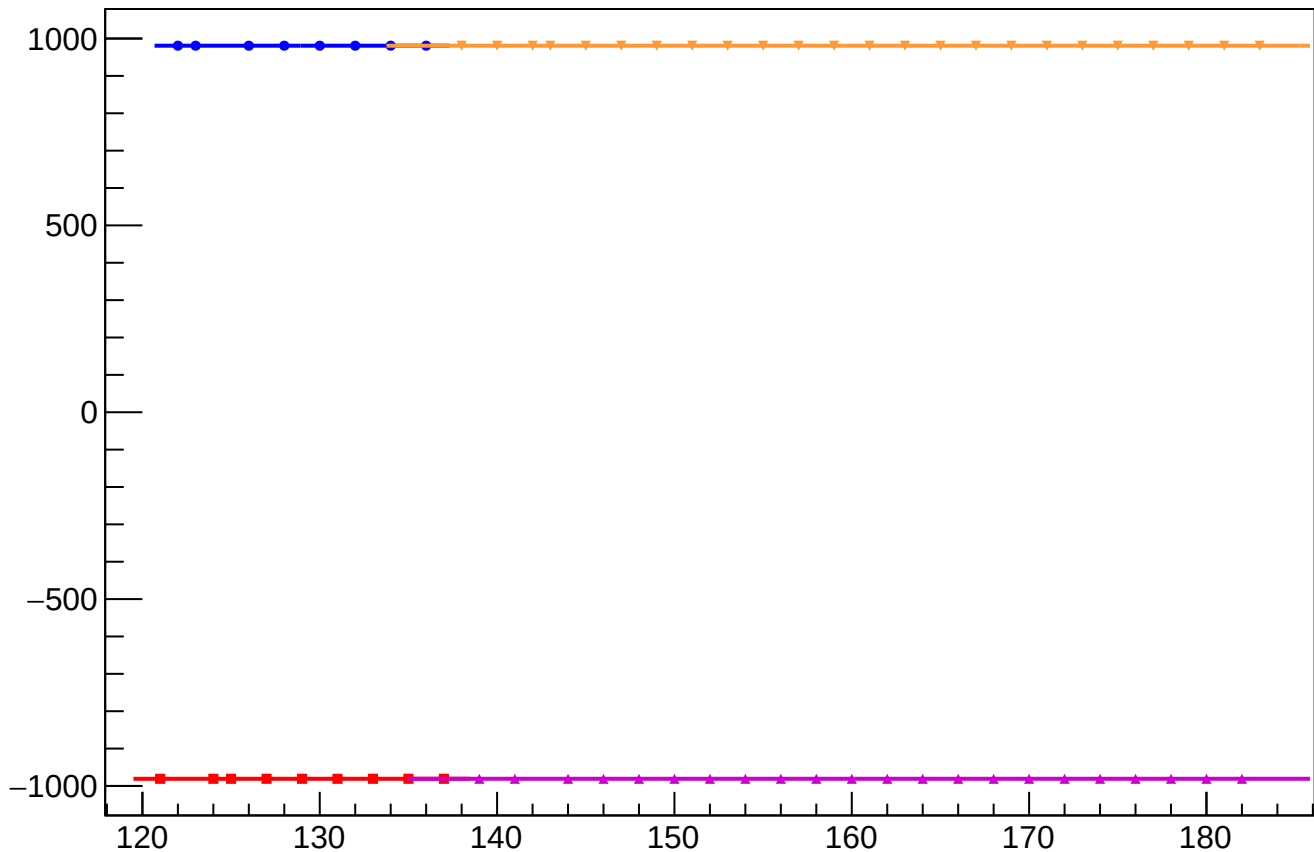
Right In: 920.801 ± 0.000 $\chi^2/\text{NDF}: 3431767977579138653856652958525030400.0/7$
 Left Out: 931.786 ± 0.000 $\chi^2/\text{NDF}: 3995668331315430533094925402112.0/23$
 Right Out: -890.665 ± 0.000 $\chi^2/\text{NDF}: 11618305184314211867640193192732655616.0/8$
 Left In: -931.778 ± 0.000 $\chi^2/\text{NDF}: 3550659655545080952597568815104.0/21$
 All: 28.682 ± 0.000 $\chi^2/\text{NDF}: 3732415462236$

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



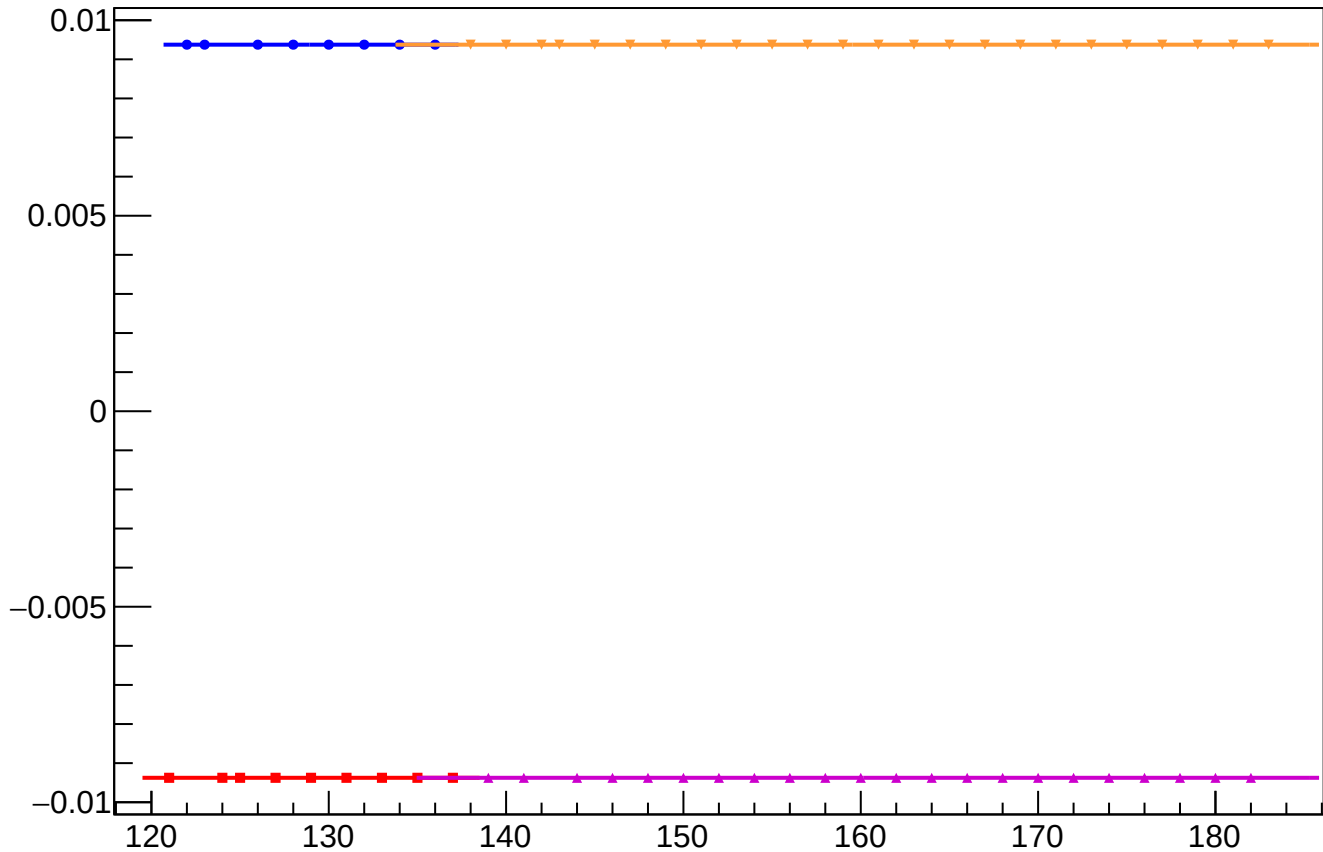
Right In: 741.528 $\pm$ 0.000 χ^2 /NDF: 18410222451199973732634329088.0/7
 Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 229181241151695465582969225216.0/23
 Right Out: -741.528 $\pm$ 0.000 χ^2 /NDF: 16449370370749481853797793792.0/8
 Left In: -741.512 $\pm$ 0.000 χ^2 /NDF: 197522272784410263153113300992.0/21
 All: 21.108 $\pm$ 0.000 χ^2 /NDF: 2373950578156

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000 χ^2/NDF : 159096869175585744562040078336.0/7
 Left Out: 980.768+/-0.000 χ^2/NDF : 719018657768276224209831591936.0/23
 Right Out: -980.818+/-0.000 χ^2/NDF : 143449983287257544108372131840.0/8
 Left In: -980.774+/-0.000 χ^2/NDF : 1438074427204755756999126286336.0/21
 All: 27.917+/-0.000 χ^2/NDF : 4153116653070

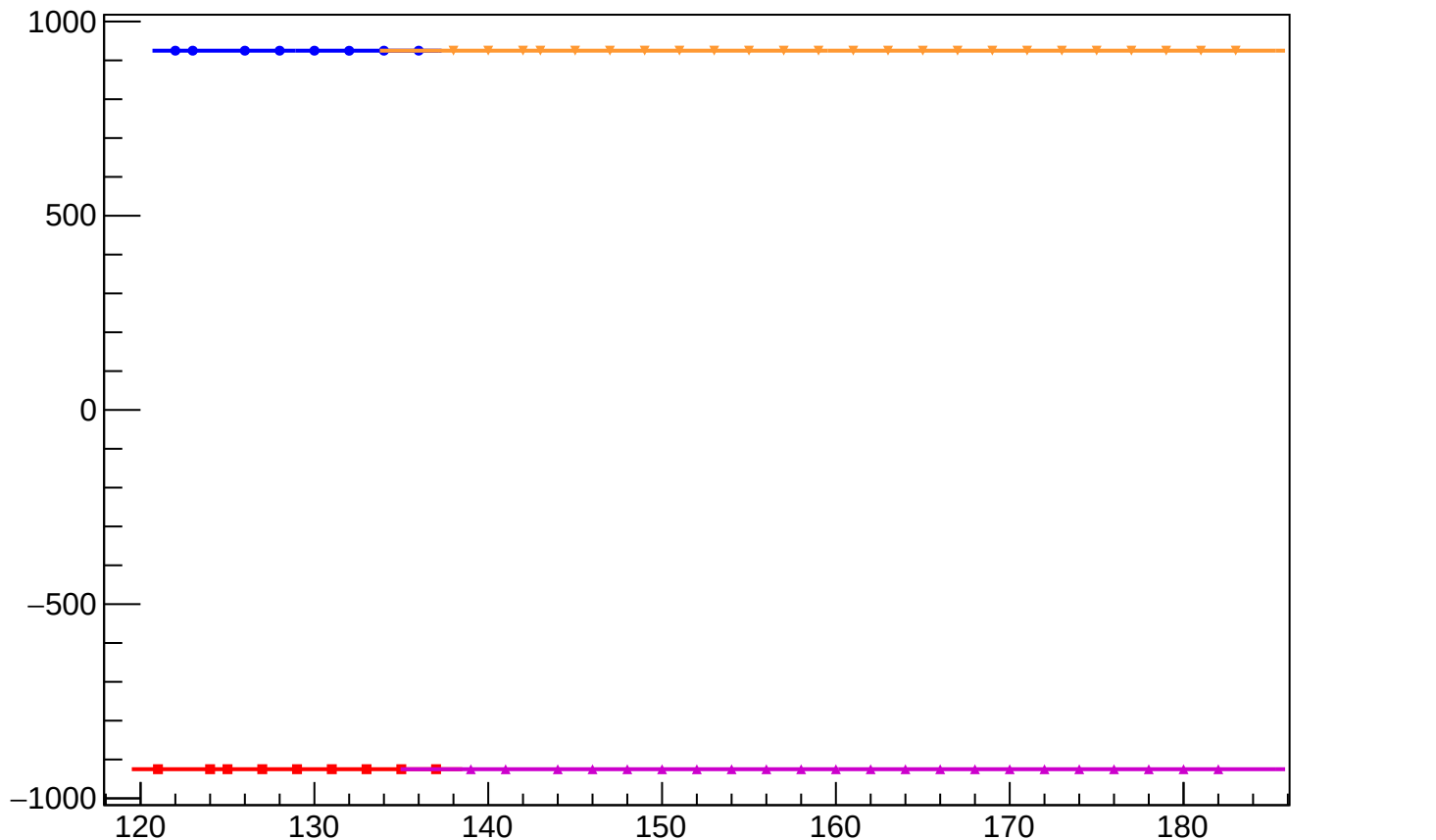
MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7
Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/23
Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8
Left In: -0.009+/-0.000 χ^2/NDF : 0.1/21

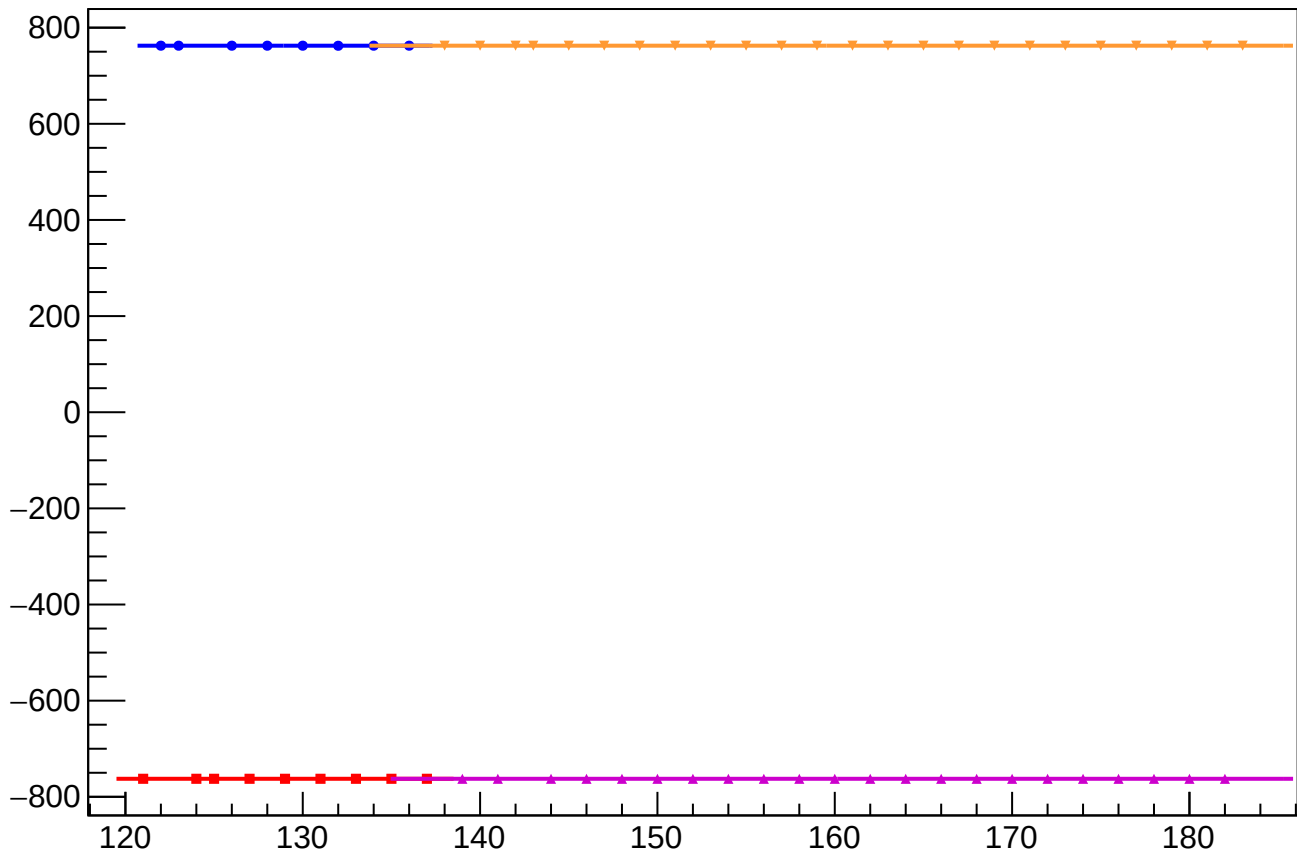
Left: 0.000+/-0.000 χ^2/NDF : 321874509720326428
Right: 0.000+/-0.000 χ^2/NDF : 57591403868140194
In: -0.006+/-0.000 χ^2/NDF : 100131166018387313
Out: 0.007+/-0.000 χ^2/NDF : 953870561079543384
All: 0.000+/-0.000 χ^2/NDF : 37946766156560

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



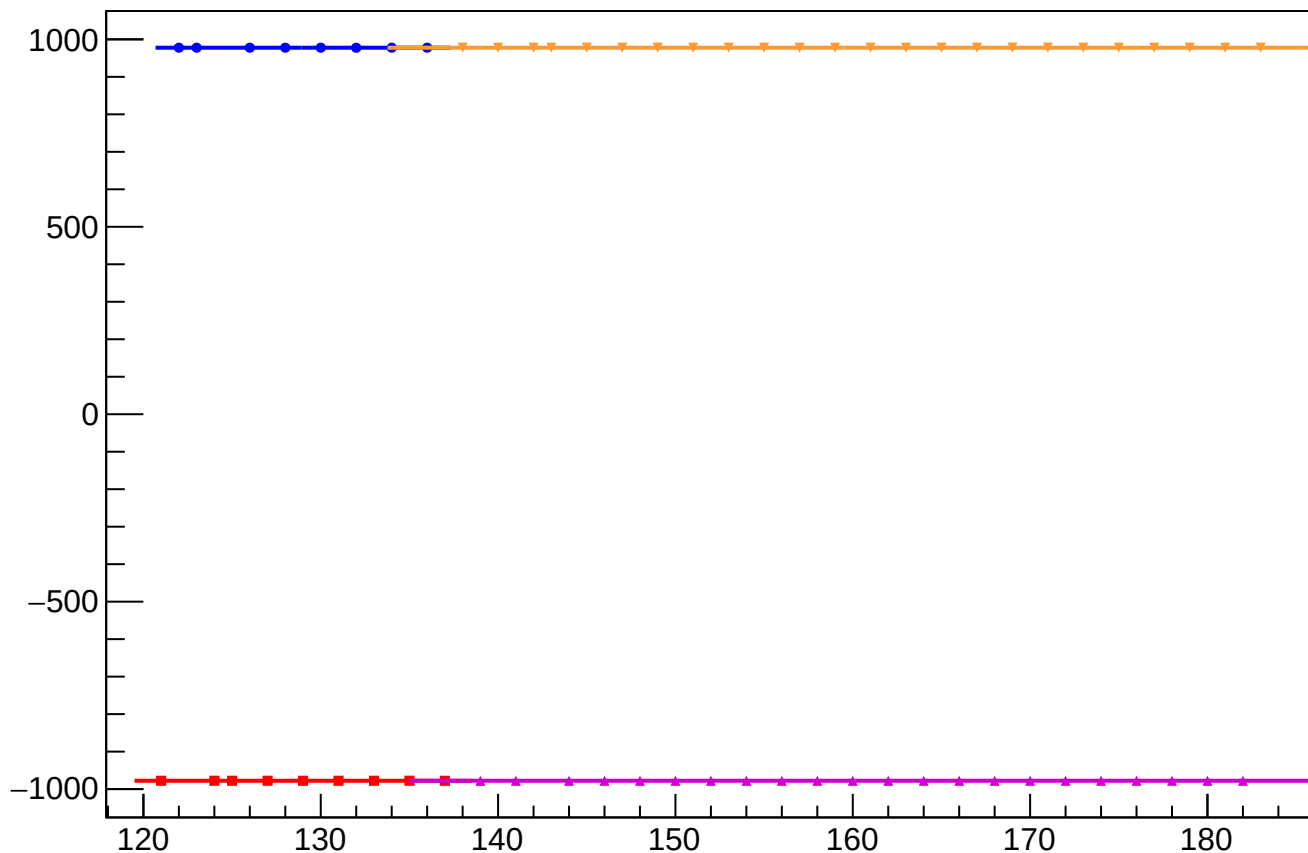
Right In: 924.939 $\pm$ 0.000 χ^2/NDF : 1401388477255469733232112566272.0/7
 Left Out: 924.982 $\pm$ 0.000 χ^2/NDF : 1022000723547845099099999174656.0/23
 Right Out: -924.957 $\pm$ 0.000 χ^2/NDF : 71753961121998015100639772672.0/8
 Left In: -924.982 $\pm$ 0.000 χ^2/NDF : 828759062858597635621172281344.0/21
 All: 26.329 $\pm$ 0.000 χ^2/NDF : 3693976409821

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



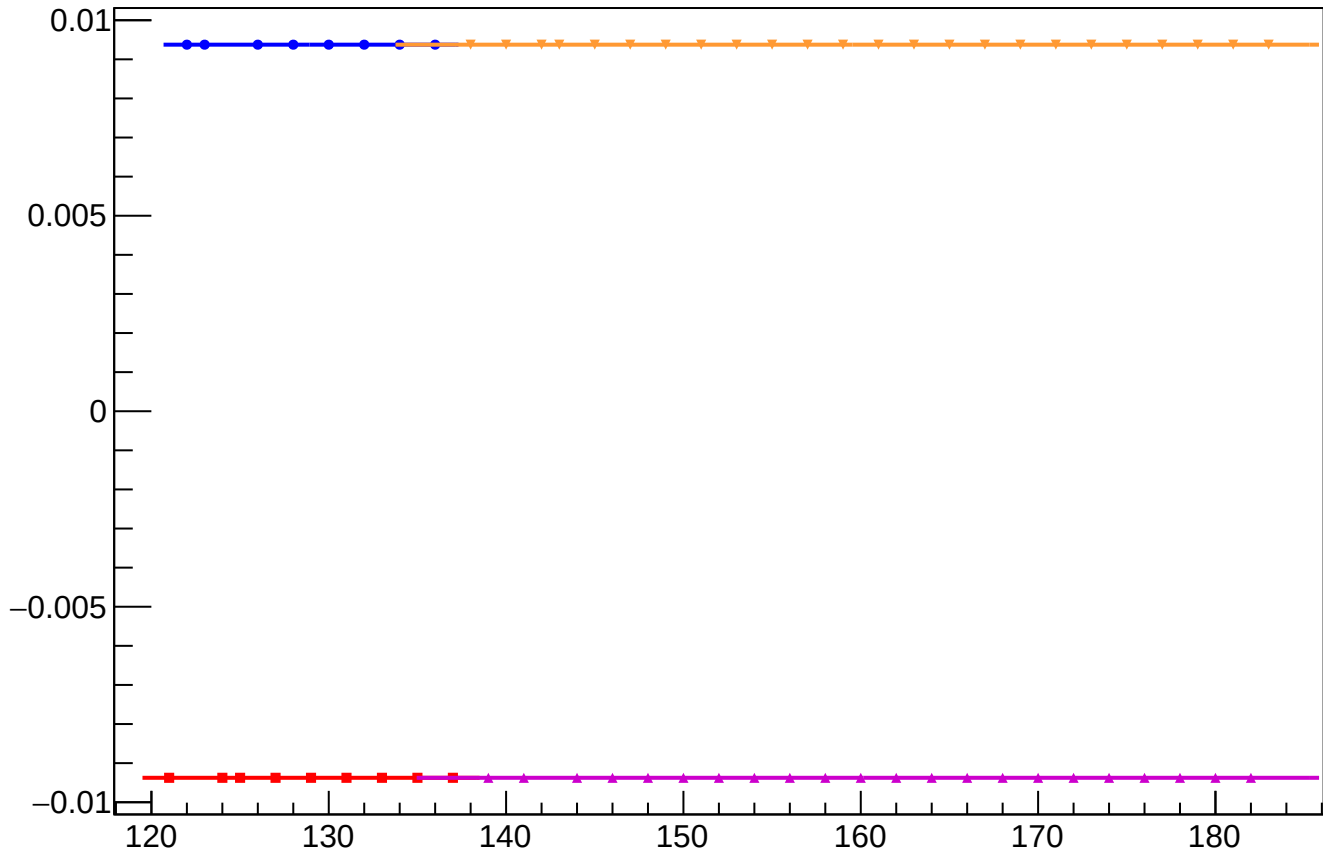
Right In: 762.483+/-0.000	χ^2/NDF : 783456713793632421311688998912.0/7	Left: 21.013+/-0.000	χ^2/NDF : 21293387989318993
Left Out: 762.518+/-0.000	χ^2/NDF : 724407070894652312174605631488.0/23	Right: 25.562+/-0.000	χ^2/NDF : 3809658504510128
Right Out: -762.501+/-0.000	χ^2/NDF : 468364983766916667715616768.0/8	In: -518.777+/-0.000	χ^2/NDF : 6623807289422750
Left In: -762.519+/-0.000	χ^2/NDF : 621006392422015159570760990720.0/21	Out: 542.777+/-0.000	χ^2/NDF : 6310119672009526
	All: 21.704+/-0.000		χ^2/NDF : 2510316165247

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000	χ^2/NDF : 1738037233029946574744730992640.0/7	Left: 26.946+/-0.000	χ^2/NDF : 35009621137471372
Left Out: 977.738+/-0.000	χ^2/NDF : 1153489077132737608063918276608.0/23	Right: 32.792+/-0.000	χ^2/NDF : 6264131662816582
Right Out: -977.737+/-0.000	χ^2/NDF : 771953144544759396277170470912.0/8	In: -665.191+/-0.000	χ^2/NDF : 1089109462033788
Left In: -977.735+/-0.000	χ^2/NDF : 975612892317024195893811740672.0/21	Out: 695.972+/-0.000	χ^2/NDF : 1037507455263886
	All: 27.833+/-0.000		χ^2/NDF : 4127394296489

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009+/-0.000 χ^2 /NDF:0.1/23

Right Out: -0.009+/-0.000 χ^2 /NDF: 0.0/8

Left In: -0.009+/-0.000 χ^2 /NDF:0.1/21

Left: 0.000+/-0.000 χ^2 /NDF: 321874509720326428

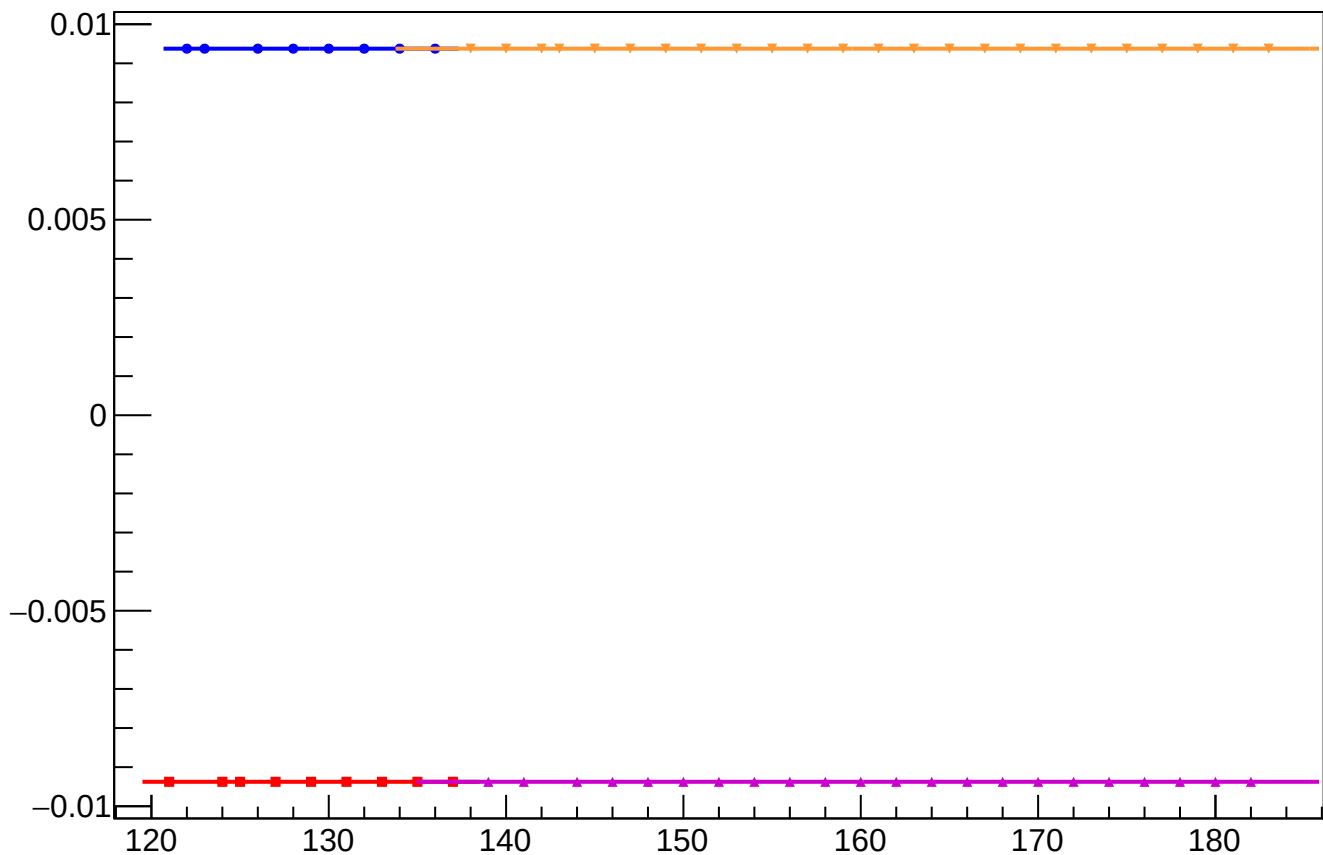
Right: 0.000+/-0.000 χ^2 /NDF: 57591403868140194

In: -0.006+/-0.000 χ^2 /NDF:100131166018387313

Out: 0.007+/-0.000 χ^2 /NDF:953870561079543384

All: 0.000+/-0.000 χ^2 /NDF: 37946766156560

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/23

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/21

Left: 0.000+/-0.000 χ^2/NDF : 321874509720326428

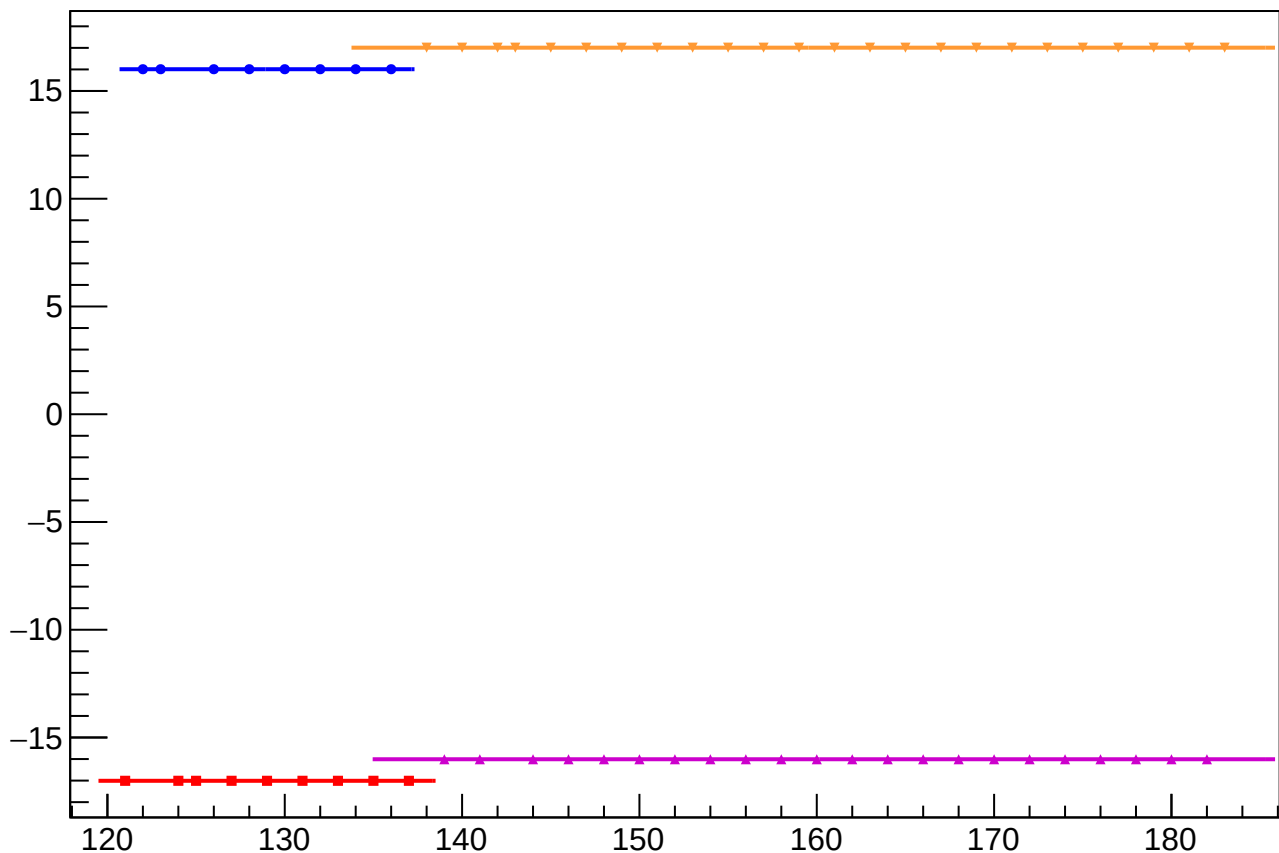
Right: 0.000+/-0.000 χ^2/NDF : 57591403868140194

In: -0.006+/-0.000 χ^2/NDF : 100131166018387313

Out: 0.007+/-0.000 χ^2/NDF : 953870561079543384

All: 0.000+/-0.000 χ^2/NDF : 37946766156560

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 27843.6/7

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 25957776001234307628662784.0/23

Right Out: -17.009 $\pm$ 0.000 χ^2 /NDF: 8315422616570068268482560.0/8

Left In: -16.009 $\pm$ 0.000 χ^2 /NDF: 127871437630070721609728.0/21

Left: 0.956 $\pm$ 0.000 χ^2 /NDF: 926533048614927969

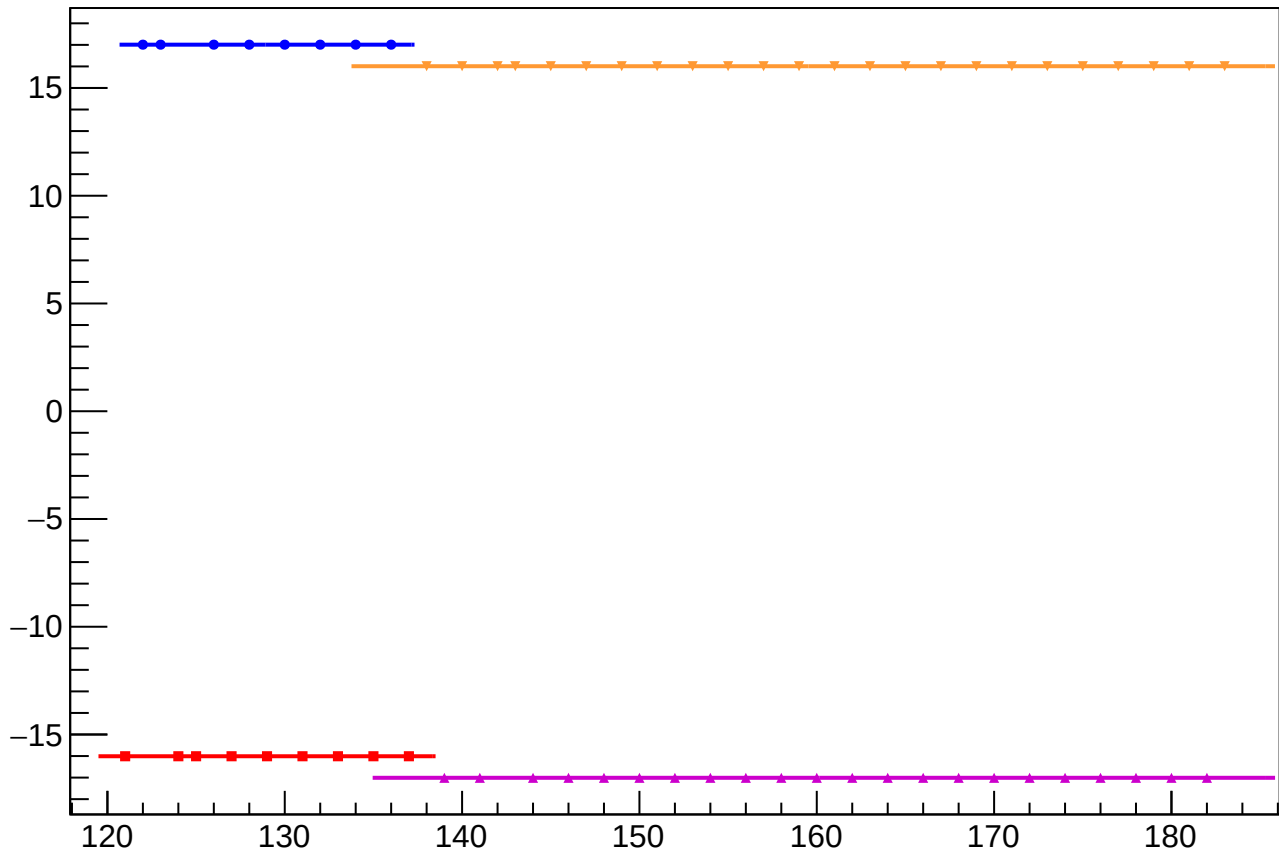
Right: -0.177 $\pm$ 0.000 χ^2 /NDF: 1672862198827261

In: -10.914 $\pm$ 0.000 χ^2 /NDF: 26982623780792264

Out: 12.012 $\pm$ 0.000 χ^2 /NDF: 29716413489555888

All: 0.783 $\pm$ 0.000 χ^2 /NDF: 10944874045719

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 82003.7/7

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 59234.0/23

Right Out: -16.009 $\pm$ 0.000 χ^2 /NDF: 18844.3/8

Left In: -17.009 $\pm$ 0.000 χ^2 /NDF: 114941150137387948441600.0/21

Left: 0.060 $\pm$ 0.000 χ^2 /NDF: 978995586429592378

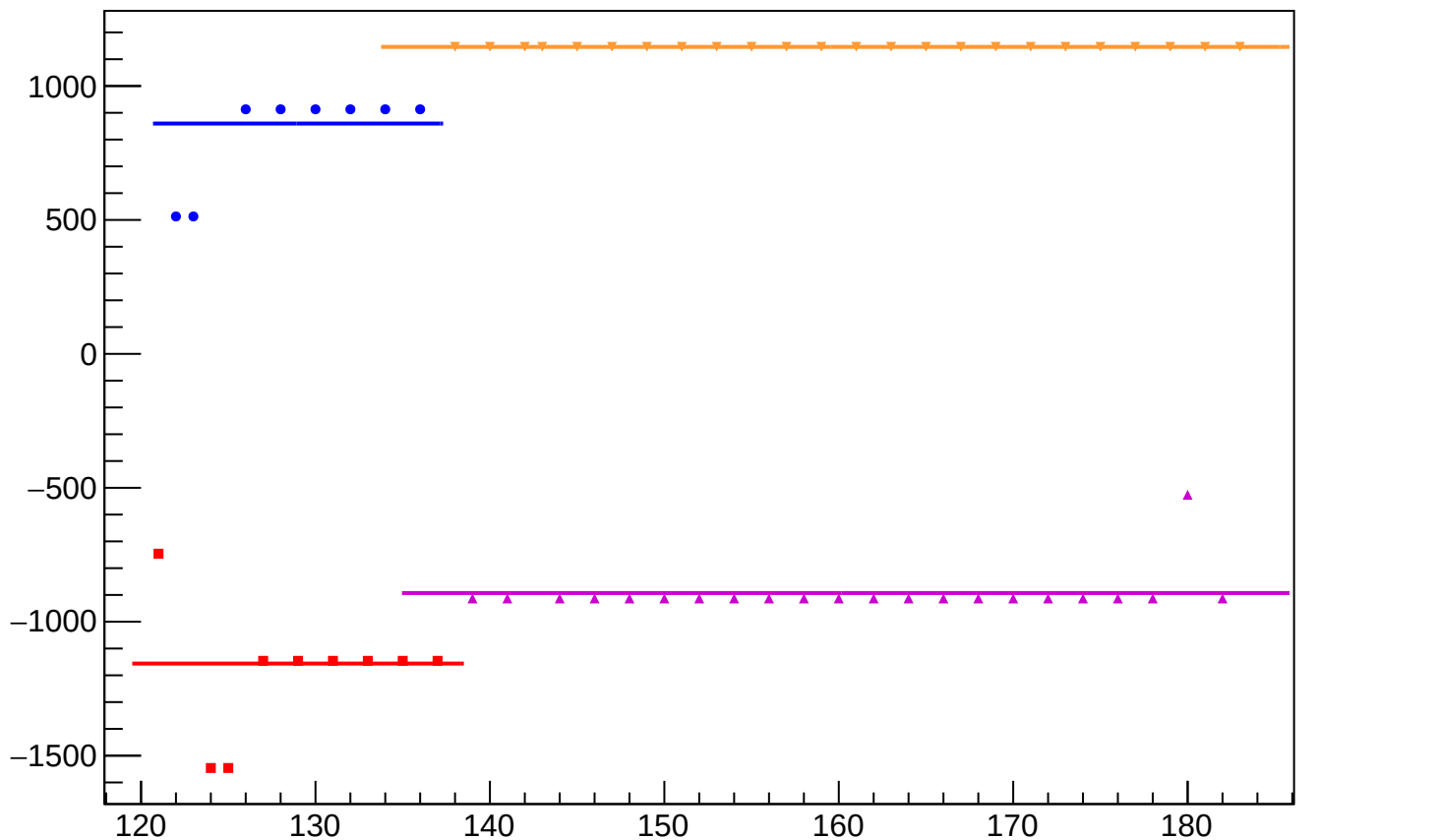
Right: 1.054 $\pm$ 0.000 χ^2 /NDF: 17859791195497110

In: -11.454 $\pm$ 0.000 χ^2 /NDF: 32825309140805889

Out: 11.345 $\pm$ 0.000 χ^2 /NDF: 27764413730553159

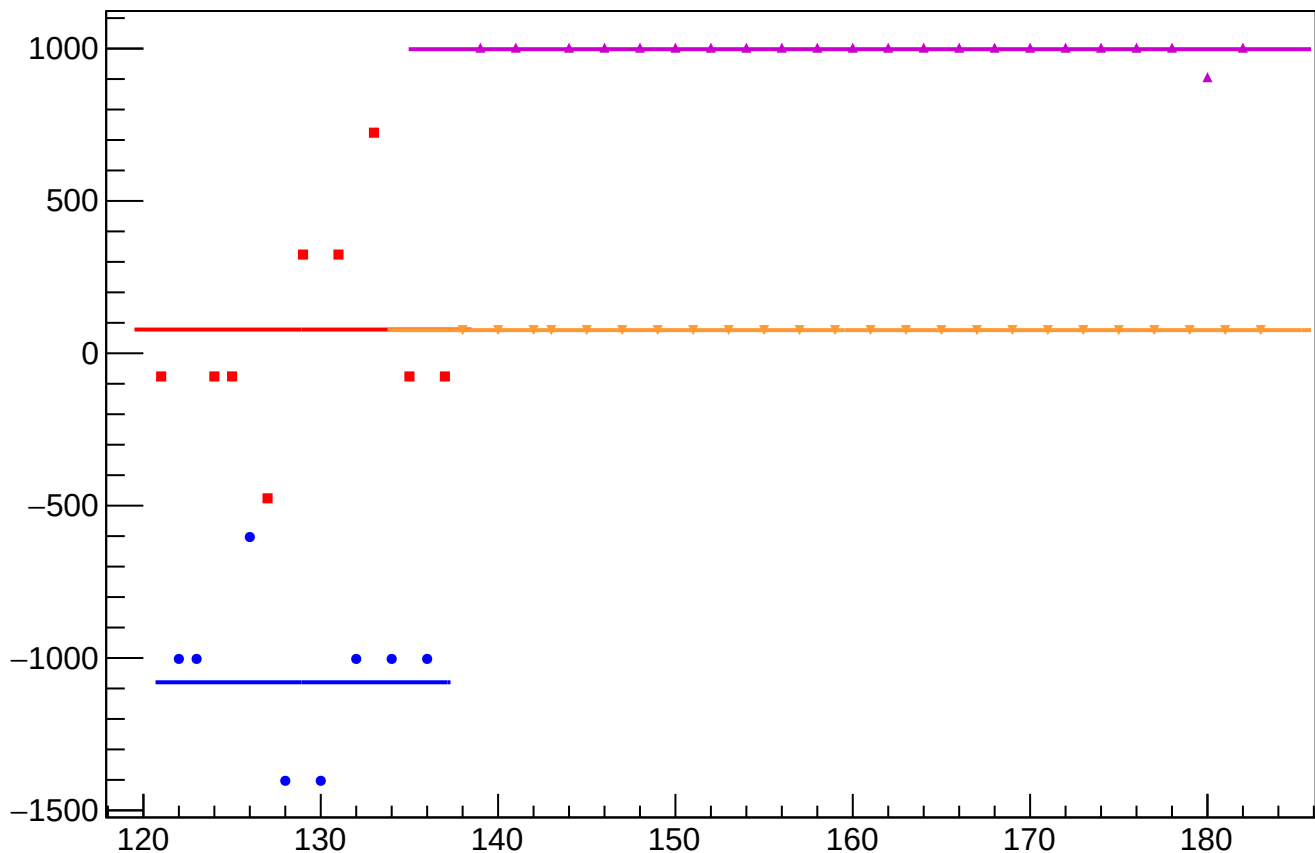
All: 0.213 $\pm$ 0.000 χ^2 /NDF: 11581411682977

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 154.702+/-0.000 χ^2/NDF : 3818911556770859
 Right In: 859.895+/-0.000 χ^2/NDF : 6244310211396691746388505873258381312.0/7
 Left Out: 1146.011+/-0.000 χ^2/NDF : 6528205427806626310336282624.0/23
 Right Out: -1156.104+/-0.000 χ^2/NDF : 13728364455898441296418095102599102464.0/8
 Left In: -892.793+/-0.000 χ^2/NDF : 13208182183520338072817138928218800128.0/21
 All: 113.863+/-0.000 χ^2/NDF : 454493487297

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1079.685 $\pm$ 0.000

χ^2/NDF : 21205581541739378673536668219320827904.0/7

Left Out: 76.011 $\pm$ 0.000

χ^2/NDF : 10934665696044489775830269952.0/23

Right Out: 77.935 $\pm$ 0.000

χ^2/NDF : 39527049815762816873616890415412150272.0/8

Left In: 997.939 $\pm$ 0.000

χ^2/NDF : 825503632536804257678726132007960576.0/21

All: 365.691 $\pm$ 0.000 χ^2/NDF : 166635974358